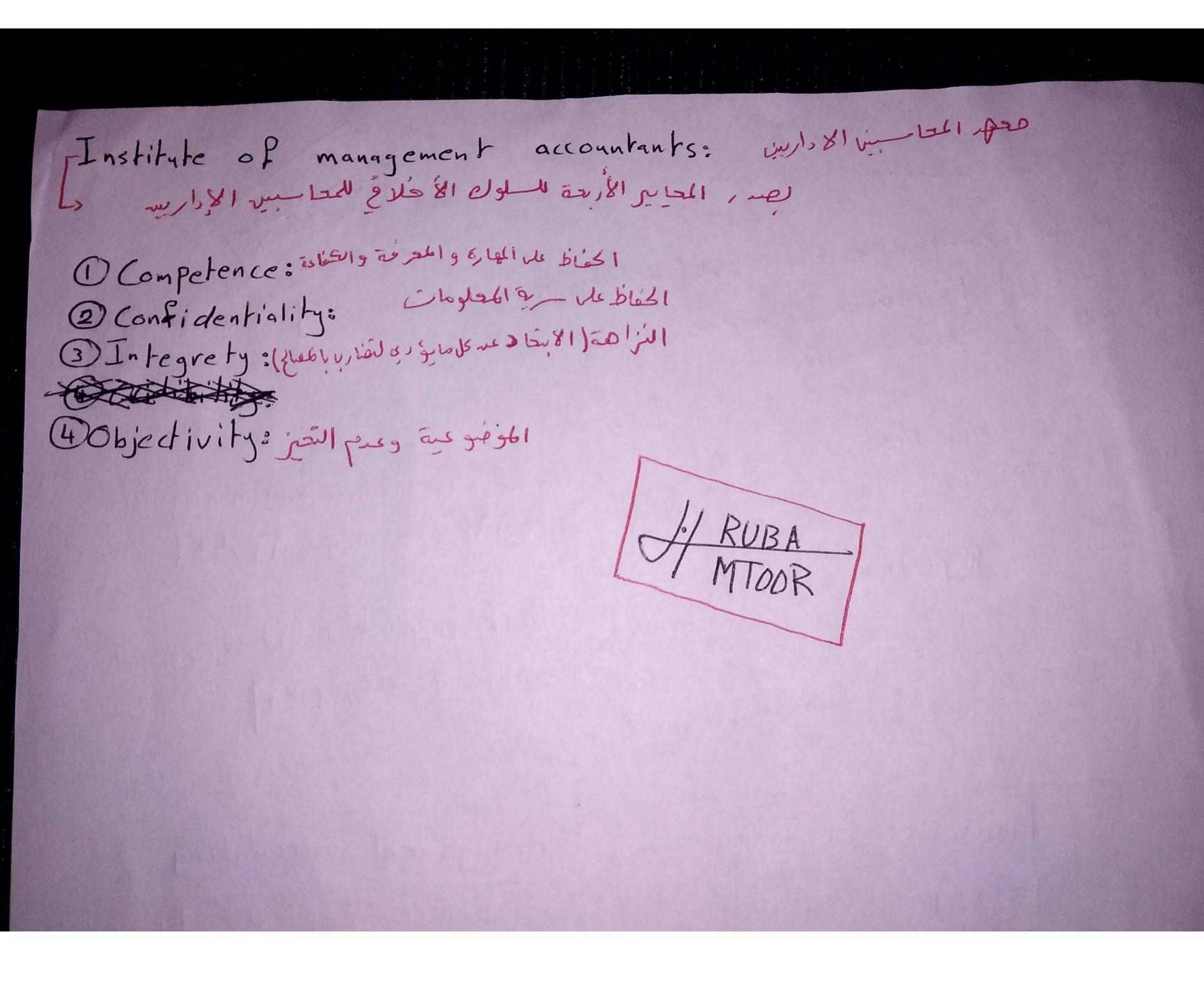
The manager and management accounting. Accounting: an Information system which [identify, record, comunicate] information about Le conomic events] to invested users. \*Management accounting: Measures, analyze and report financial and nonfinancial Information to help managers make dicisions: [GAAP Zonesign if piles] \* Financial accounting: Reporting to external users [Banks, suppliers, Investors, creditors...] \*The difference between financial and management accounting: Management accounting Financial accounting To empact employee Behaviors To empact external Purpose of Derision Users Information Primary users for external users For internal users Focus and emphasis Past-oriented Future - oriented [Financial and nonfinancial Information] [Financial in Parmation] GAAR or [IFRS is reves] No Rules [based on cost-benefit]
[analysis (axid) and) Rule of mesurment and Reporting Time span Annual Reporting ( 15 vési) From 1 hour Report to وممكن شهرا أو كل نعف سنة أو 20 years Report. P'1 4 5 Behavior Dicision makers External Implication Management Accounting: OPlaning [Budgetting]:

(2) Controlling: audich in land of the step decision making process in planning and audich land of the step decision making process in planning and in land of the step decision making process in planning and in the step decision of the step decision making process in planning and in the step decision making process in the step decis controlling:



An Introduction To Cost Terms and Purposes + Cost: A sacrificed resource to achieve a spacific objective. + Cost Objective: Anything for which a cost measurement is desired. HActual Cost aines seller / Budgeted Cost (aline) au jus seller + Cost Accumulation: The collection of cost data in an organized way by means of an accounting system. [ was in addition of the soul of th + Cost Assignment: Term that encompasses the gathering of accumulated cost to a cost objective. [ ailsu mind and filling [ ] 1) Tracing accumulated ( Re 20 9/20 able 1909 To all full full) (Cost tracing) 2) Allocating accumulated ( of waster goog as full della la fing (Cost allocating) + Direct and Indirect Cost: Direct cost: a) you was some in the destain the series of + Factor affecting Direct / Indirect Cost classification: OThe materiality of the cost [ 45 ] addition of the cost [ 45] addition of the cost [ 45] [ معكد بتول العامل مد تكلفة مبائرة لعر مبائرة إذا حلت الألان كله مثلاً ] Technology 3) The design of operation alary musi) + Cost Behavior: Ovariable Cost (VC): ? Likiuge po lub a lin 2) Fixed cost (FC): (b.s) qu'il squ'il squ'ils Relevent range \* ينم كديد الوله المحلفة الفترة معينة أيعين الموجنوع عن دائم وفت تكايل Total amount per unit - relbe l'air l' A output = 1 cost constant \*we should use (T() because unit (costs Change with a different costs Change with a different levele of output: ( علاقة عكسة ) こいじ)

Exercise 1 Cost object > Manufactures office furniture. Cost Tracing (C.T) Cost allocation (C.A) Nonmanufacturing (Non)

(Not D.C) Ocarpenter wages: (.T (wages minor bijeria) > Direct Cost 'il's @ Dep. of fice building: Non (i) & will will some quet le being) 3 Glac For Assembly: C.A (Immaterial) Glathe department supervisor: (. A ( louis a aboli in so soi aspais) (5) lathe dep.: (. A (unit of as de colors 1) | 81 (. A "Les) 6) lumber: (.T( 151) (7) lathe maintenance: C. A (8) lathe operator wages: (.T (wages) 9 sample for trade shows: Non ( andis , terrip 58) Dometal brackets for drawers: ( . A (Immaterial) (1) Factory washroom supplies: (.A => Plant/Factory/manufacturing ~81 willisolijusi 131 digitagen age 16 Exercise 2 Direct cost(D) Indirect cost (In.D) fixed(F) Variable(V) D'Assembly line labor wages: D/V Oplant manager wages: In.D/V -> F sier, salarycius 1; 3 Dep. on the assembly lin equipment: In.D/F( Jren of ise you ! !) 4) Component parts for the product: D/V Dwages of security personnel the factory: In.D/V

D. P.P.	
Different tyl	pe of Firms:
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- Chandising	ampanies 1 - 2 - 1
(ompai	11es - 11 21 7
5 service Reven	ue e stille en finangable Product,
	ا کریج میا میں ا
	Merchandisina
R-I	Merchandising Comp.  Manufactoring Comp.  Comp.
Balance Sheet	- Calord
(Inventory	- merchandising Inventory  - Work In Prosess Inv 11-01
@ Income	Sales Revenue (S.R) Total Inventory
Statement	- Cost Of Good sold (cogs) S.R
	Gross Profit (6.P) - (065
	G.P
* Manufactoring	Comp. (r. Whitehold should show &
MAIN P. L.	selling cost
O TOO Manu factor	comp. (CHAPACHAHAMAN)  ing cost Selling Cost  Administrativ Cost  Scrawing Line 8 du Six
2) Manufactoring	Cost Divect Material (D.M) = Tes Tissigo
	-> Direct Labor (D.L) Tubiliare
	LyMannfactoring overhead (MOH)
	الالا تعبان من المراب العلات المراب العلام المراب العلام المراب
	Spéi All other Manufactoring cost

Cost flow:

Begining Direct Material (Beg. DM)

- (Ending Direct Material Balance (End. DM)

Direct Material used in production

+ Direct Labor (DL)

+ Manufactoring overhead (MOH)

Total Manufactoring Cost

+ Bigining work In pracess Inventory (Beg. wIP . Inv.)

Total work In Process Inventory (Total wip Inv.) - (Ending work In process Inventory)

Cost of Good Manufactoring
+ Begining Finished good Inventory

Total cost of Good available for -1 Ending of good available for sale) Sale (Total finished Inventory)

Cost of Good Sold (COGS)

\* Sales -(COGS)

Gross Profit (G.P)

- (operating expenses)

Net Income (NI)

\* Prime Cost (Direct Material + Direct Labor)

\* Conversion cost (Direct Labor + MOH)

(WIP) J. His (Direct Material - Finished good) d. gent 1 - also

+ Sales
- (Fired cost) -> 2/18/18/18/18/18 - (variable cost) > & [IN 3,1/2 a) basine operating income



ex.1: 2-36

Direct materials inv. 1/10/2017

\$ 105

1 Direct materials inv. 31/10 12017 (Ending Balance)

B. B + Purchases - E.B - D.M used

105 + 365 - E.B = 385

E. B = \$85

(2) Fixed MOH

Total MOH = Fixed MOH + Variable MOH

450 = Fixed MOH + 265

Fixed MOH = \$ 185

D. L + DM used + MOH = Total manufactoring cost

D.L 4 385 +450 = 1.610

D.L =\$775

4) work in process inv. 31/10/2017 (Ending WIP)
Total manufactoring Cost + Beg WIP - Ending WIP = Cost of good manufactoring

[Ending wIP = \$ 180]

(5) Cost of finished goods.

cost of good manufactoring + Beg. Finished good = Cost of finished god

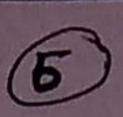
1,660 + 130 = \$1,790

(6) Finished good inv. (Ending Balance)

Total cost of finished goods - E.B = COGS

1,790 - E.B = 1,770

E.B =\$20



ex: 2

(B) D. M available for use

D. M available for use +(D. M inv (E.B)) = D. M ay/ille/for used

B + - 37,000 = 255,000

B = \$ 292,000

A D.M. inv + D.M Purchases = D.M quailable for use

A + 246,000 = 292,000

A = \$46,000

D Total MOH

19,000+38,000 + 39,000

D=\$96,000

(F) Total cost of WIP - Ending WIP = Cost of good manufacture

F - 322,000 = 440,000

F = \$762,000

E) Total manufacturing cost

Total manufacturing cost + Beg. wip = Total cost of wip

E + 320,000 = 762,000

E = \$442,000

(D.L + MOH + D.M used = Total manufacturing cost (+ 96,000+ 255,000 = 442,000

Cost - Volume - Profit Analysis فعلع لكل أنو كي الركات اعظم أعرف أحدر -> what is Operating Income to Total Revenue Total Cost Total Revenue (TR) - Total cost (TC) = Operating Income (OI) TR-TC=OI + Fixed Cost Total Cost = Variable Cost TC = VC + FC & Selling Price > P Number of unit sold -> Q Variable Cost = Direct Makerial + Direct Labor + Mannfacturing overheal + other variable costs Variable manufacturing. + T) 2 + V. MOH + other UC. me and make the 見に割り四半が流 (1)

Fixed Cost = Fixed Manufacturing overhed + other Fixed Costs FC = F. MOH + other FC La withen Relevant q. Li81 & jik & Example: Bookstore-selling GMAT textbooks P = \$ 200 Vc/unit = \$ 120 FC = \$ 2,000 Q = 40 units \* Full apsorption costing Income statement ( les, sin vol asset) External users Il la ries jug GAAP à algués en Contribution margin Income statement: jew as 1 july , so laid in july a (Variable Costing) Maching Principle nerté & 19'8 GAAP à voies réal CM. IS 200 140 -> 8,000 Sales Variable (osts) (120 140) -> (4,800) 3,200. -> (80 X4) [200-120=80]

Contribution margin (Fixed Costs) Operating Income (2,000) ,200

0003

Tax Rahe = 40% 1/200 
$$= 1,200$$
  $= 1,200$   $= 1,200$   $= 1,200$   $= 1,200$   $= 1,200$   $= 1,200$ 

Target = 
$$FC$$
 + target  $OI$   $\left[\frac{2,000}{80} + \frac{7,000}{50}\right]$  = 50 unit

Status Que

P= \$200

VC/unit = \$120

CM/unit =\$80

FC=\$2,000

Q = 40 unit

OI = 80.40+ 2,000

01-31,200

P= \$ 200

WC/unit = \$120

CM = 980

FC > \$2,000 L> \$500

Q1 10%

0° Q= 10% x40 + 40

Q=44 unit

OI = 80x44 - 2,500

OI=\$1,020

· .. Status Que

أحسن

1,200 € OTUK 9 \$ 115 bijil 15 50 9 50 qui as juli per as i me #

OI = (P-Vclunit) Q - FC

1,200 = (P-115) 50 - 2000

 $3,200 = P - 115 \longrightarrow P - $179$ 

> Sensitivity Analysis:

Fer LSI Juls Lowhat if analysis [S'is will rescribed]

Cost Structure:

TC/VC/FC

العلاقات بيد

المسلام على الخيارة كيل الخيارة كيل الخيارة كيل الخيارة كيل المسلام كيل الخيارة كيل الخيارة كيل المسلام المسلم المسل

Degree of Operating laverage (DOL)

OI de FC 212494

 $DOL = \frac{CM}{OT} \Rightarrow \frac{01 \text{ or in the first of a plane of the point of$ 

مثلاً زادت المسعاد ١٥٪ DOL X 10%. = A OI OI 2 o Lynd = n 151 0 I sue 9 OI + A OI Multiple Product عا الركة بينيه OI = (P-VC/unit) q, + (P-UC/unit) Qz ... - FC OI = CM/unit + CM/unit ---- - FC.

Product, products Sales mix بعرعه الس عر مه Example: Product product 40 -> Sales mix 60 Sales 可見もは \$ 200 Product = \$80 JProduct = \$30 VClunit \$120 \$ 70 \$ 4,500 OI = 80 x60 + 30 x40 - 4,500 OF \$1,500

$$CM/bundle = CM + CM$$

$$Product_1 + CM$$

$$Product_2$$

$$-(Q \cdot CM/unit) + (Q \cdot CM/unit)$$

$$= 3180 + 2130$$

$$= $300$$

$$OI = NI$$

$$1 - tax Rake$$

BEP = CM / bundle

(9) 1 - Product

BEP = CM / bundle

(9) - Product

(9) - Produ

\* Contribiption margin Income Statement

Sales (VC) -CM (FC)

MATOOR

Master Budget and Responsibility Accounting Budget & Quantitaire Plan for the Puture Ly Nonfinancial janie un sue glist i les gous Budget -> éestéliée vigén La Proforma Financial Jeu view Statement i juil are gio allo i l'hu, 11 adiac 1 Historical FoS de un gris les 14 Budgeting Cycle: of high guid! shall is a leglas of in in it is to و بيو في السانات والعلومات المعنى عنان العلامة a joi julie sesse 161 jober Senior managers (2) Managers and management accountants investigate is is is in lique any deviation from the plan is is is in lique. Performance Report

Advantages of Budget. Planning and coordination tool
with bill 61st d (2) Control tool 可しらり可以 3 Motivation tool る色当りをはしい、いんと LD gian vente 1 juger 2-Approaches to budgeting Top down budgeting

pring pris airlably resident to the sold of th (2) Bottom up (Participative) budgeting o,1,8170 aijly61 viet & viet g61 d, 12, d I po in vierge 1 08 dies!

"day to day management" is 1 20 20 ordination medalismo Budget slack ethreat we is projection de Cost insting Cost insting Revenue qu'x mis 3

Time Coverage of Budgets
ai Aim, 291 jui auto -1/20 ai/1961 deine

Master Budget don'tailg61

La Operating Budgets

La Financial Budgets

Basic operating Budgets

- ORevenue Budget [ quise x van, jui s'es)
- (2) Production Budget [21/41 24/4 x 45/11 1/41 = 21]
- 3 DM usage Budget [isogn DM alter X asill 1 she of sul]
  - 4 Direct manufactoring labor Budget
- (3) D-MoH costs Budget
- 6 Ending Inventory Budget
- 7 COGS Budget
- Ø Operating enp. Budget
- @ Budget Income statement

Income statement Beg Inventory (Cost of Good purchased) Sales Revenue (Cost of Good Sold) Cost of Good Available Gross Profi (Endling Inventory) (Operating Expense) cost of Good sold Net Income /10ss Basic finansial Budget. @ Capital expenditure Budget @ Cash Budget 3) Budgeted Balance Sheet @ Budgeted Statement of cash flows. ARUBA M TOOR

Decision Making and Relevant Information

M TOOR

[Alternatives] , we is just in as just be desired in ines (Qualitative ) and in the line (Quantitative ) and of the line (Qua

Relevent Information vie = 323

( asile = 1's closes)

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\* Relevent Revenue: wis, view 124900 isterly up

Type of Information:

(DQuantitative information: > financial: information: > Financial: information: > Von - financial: > Jel Jests

Jel = 10 Jests

Jel = 10 Jests

Q) Qualitative information:

D's i of si signi illi orders que. Espélis en en sière de la con la signi de l'accord l'appoint l'appoint

\*Incremental Cost : La 1/9 sist, about ailsui

Relevent Analysis—Salternative 2

Alternative X

Jusius

interms of - Qualitative information

Aquantitative information

Eastribution Margin Income Statement

Some types of Decisions that need Relevent Analysis:

Oone-time-only special orders

2) Insurcing vs. outsourcing (Make or Buy)

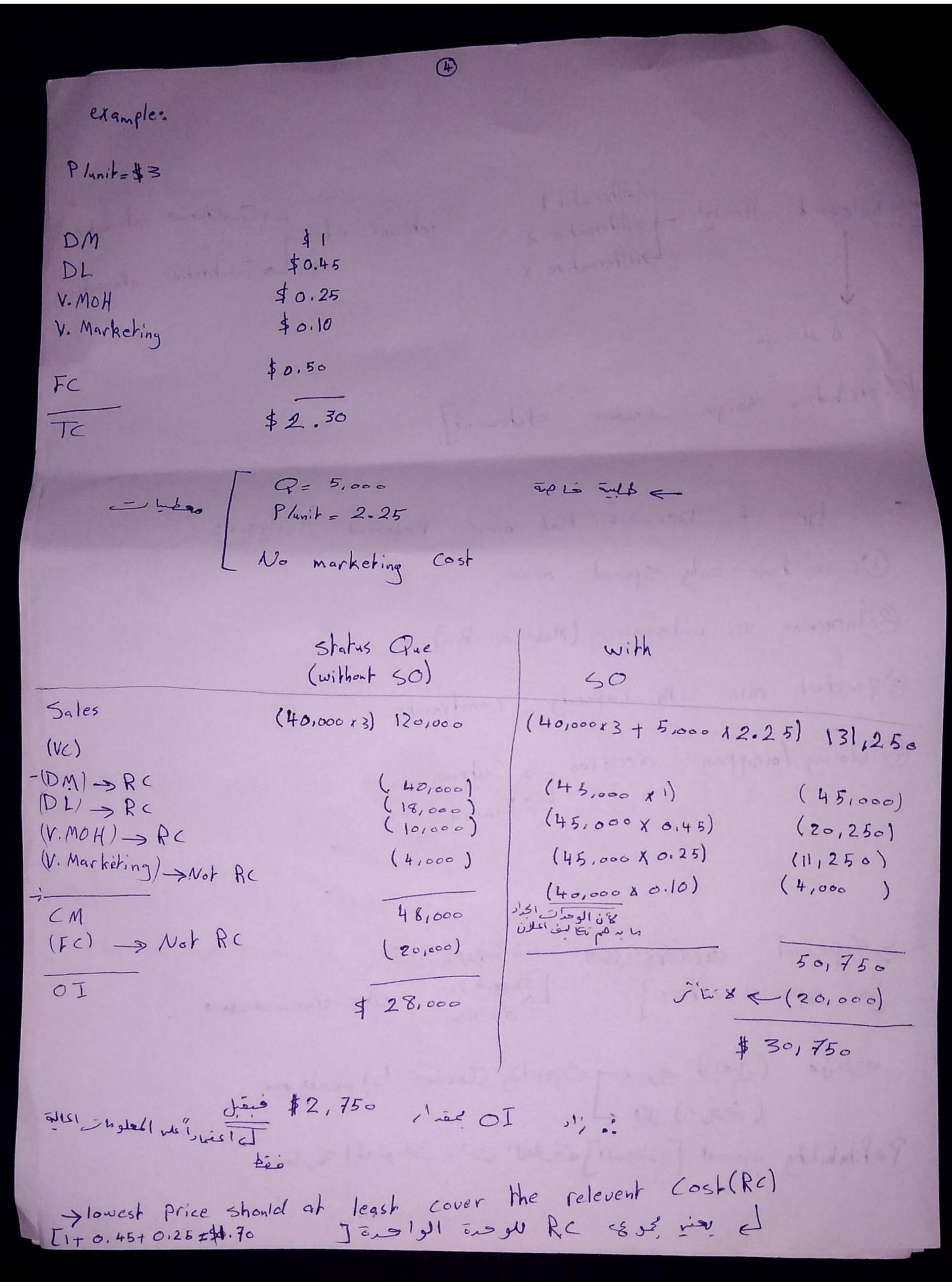
3) product mix with capacity constraints

Adding Idropping decision = Customer

Branch

>Special orders (50) The lipse still Short-van Shrows is dicision

Prohibability view [ wester [ wester ] wester [



عن رائم النكايف المنابة بنكون مثر زات علاقة على النكايف المنابة والتكايف النكايف المنابة والتكايف المنابة والتكايف المنابة والمنافعة المنابة والمنافعة المنابة والمنافعة المنابة والمنافعة المنابة والمنافعة المنابة والمنافعة المنابعة والمنابعة وال

OI is je Incremental cost is visit a six

free traiter 790 3

2) Insourcing Us. Ontsonrcing (Make or Bny)

1881, 1259 July 1881 Relevent Cosh

[+ Cost : 1 Profit]

( wis iser outsi) Avoidable (osts ) Unavoidable Costs

Hopportunity Cost abuil apillais

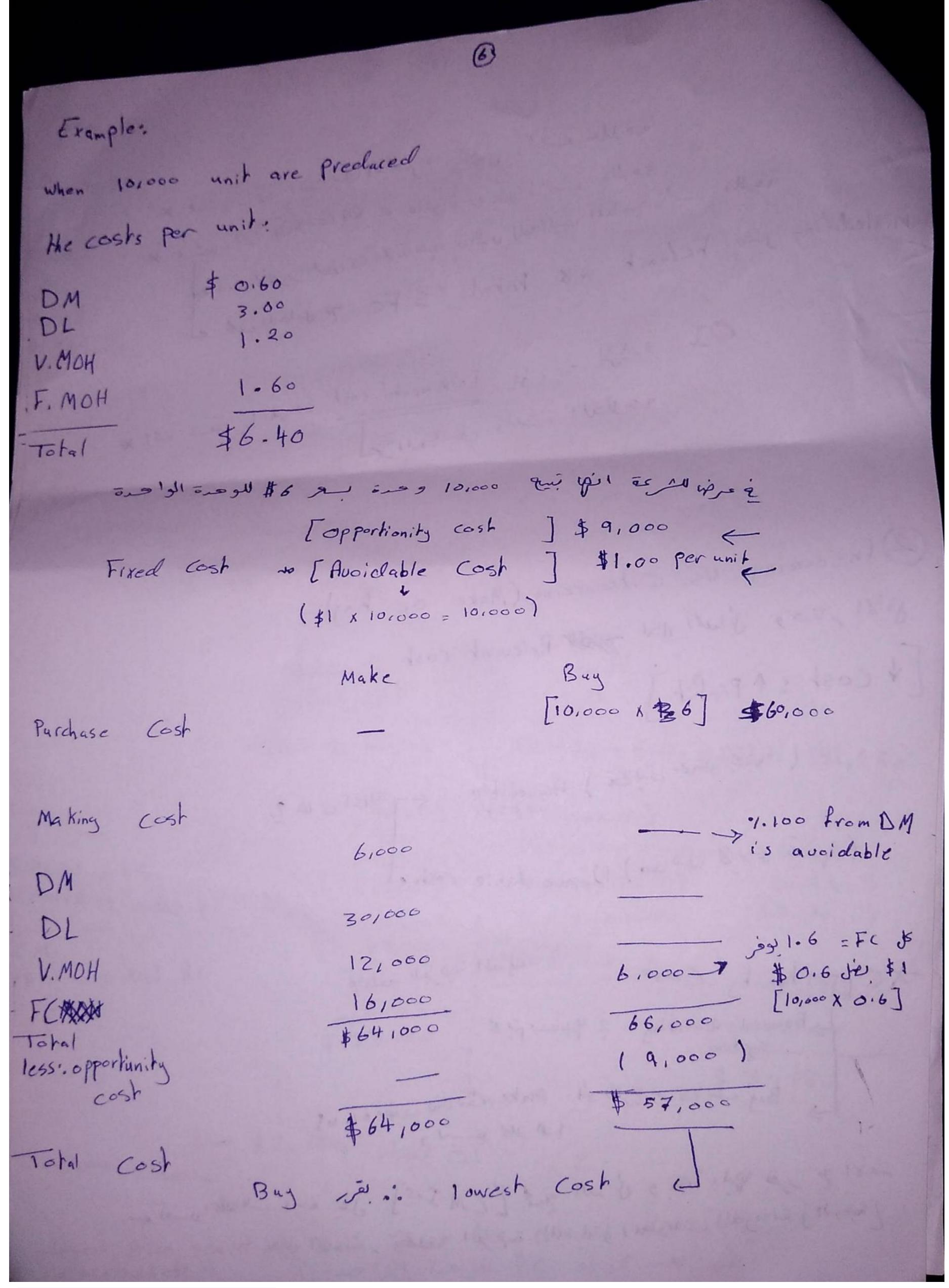
Astinancial Accounting 2 principles

System

Buy ables as 2 be 3 Make ables sipiol 6 les

LA 115 une 9

ع نف الكالة السابعة بعل [ CM I.5] جميع البدائي و بناءً" عليها بقرر مح الأفنا بعين الكالة السابعة بعل العين الكومالية [ النوعة ]



3) Product Mix with Capacity Constraints

when we sist with size of the size o

555 >[CM/nnih = P-VC]

الاعتبار منل: من العال العال

CM/hour = (CM/anit) X Machine hour required per unit resource

Frample:

Product A

Product B

\$10

\$30

\$15

VC

\$4

\$15

\$15

\$4

\$0.5 hour

Machine how lanih

[M/Hour 4/0.5[8] 15/3 [5]

Total FC >\$5,000

only 2,000 hour are available per period

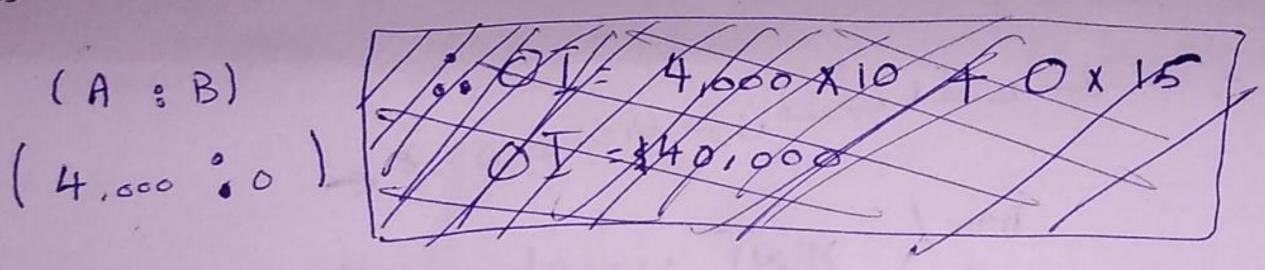
Owhat is the optimal product mix? what is the max OI?

\$84 - A =n21

\$ 5/h < B = 1

مقرر ا نتج A

2000 = 4,000 unit from A and Qunit from B



OI = (4,000 × 40) + (0 × 15) - 5,000 0] = \$11,000

(2) If [Demand] of product A is limited to 2,500 unit, recalculate the optimal mix.

2,500 unit × 0.5 hour = 1,250

° 21000 - 1,250 = 750 hour → B zind cines.

750 = 250 unit from B

.. (2,500 : 250)

OI = (2,500 x4) + (250x15) - 5000 OI = 18,750

[CM/Constraining ] is it as is it is it is it

[cine] Ranking ja 9

العدرات الد أعطائ المعابد الكانية المعابد الكانية المحدر الله المعابد الكانية المحكر المحك

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الله المالة المحالة المحالة

HRUBA MITOOR Ch. 20 management, Inst in time, and simplified costing Inventory Inventory management inf. Ill هدف الشركة كنا فع على البيامانة بأقل تحافة عمينة عنان نعام أرباحها Inventory management includes planing ééini > coordinating rein La controlling sill parts flow inventory & aelaibl a 14 mille Costs related with Inventory 1) Parchacing costs " in in les أعلى تطنة مدانكا يف و as lieutine of مع معارف فعان فعانه للم الماميد تعالیف الراد ای تعالیلی مروری کیول النصاحة حا هزة للاستفاع

© Ordering Cost عباها مناها و الكدمات الكارف منطقة بالكدمات القانونية . أعناها الإجرادات القانونية . الكارف الإجرادات القانونية للمسلملة المجالية المجالية

(3) Carrying cost with white of all cost of and opportunity cost of the answer

بعد ما سبر طلبة ومانقد المراد الله في مرة الشركة طا ما عدرت المركة طا ما عدرت المركة طا ما عدرت المركة المراد الله في المراد المرد في المراد في المراد في المرد في المر

ق Cost of Quality أو تو يعالم على الحورة في الكفائل على الحورة في الكفائل على الحورة في الكفائل على الحورة في البيانة ألدورة في البيانة الدورة في البيانة الميانة الدورة في البيانة البيانة

اك ازاننانجة مديع البضاعة اللي المفاعة المربون ومواصعا رق فيها عشاكل - بعن وصلت البضاعة للزبون ومواصعا رق في البضاعة المربون ومواصعا رق البناء تعتبه عاليف المربحة تعتبه عاليف المربحة الربود - معة الرعة الربود - معة الرعة -

العن معلقة العناء معلقة المعلقة المعلقة على الفراء من المعلقة المعلقة المعلقة المعلقة المعلقة على المعلقة المعلق

The First Step in managing Inventory for sale is
"The economic order quantity [FOQ]

authority is upld us I shall austral

roptimal "

Basic FOQ Assumption

well years, signification ordering and carring costs.

2) The same quantity is ordered at each reorder point and vive singer point

Demand Purchase-order-lead time, ordering costs, and carrying cost are known with certainty, is, up, and in so a berline will up a single also a berline will up a since also a less in the prince of a serior and in the answer of a serior and a serior of a serior and a serior of a serior and a serior of a s

Purchasing costs per unit are not affected by the Quantity ordered.

(cost is) well and it is one of a property of the purchasing cost irrelevent

(5) No stockouts Cost.

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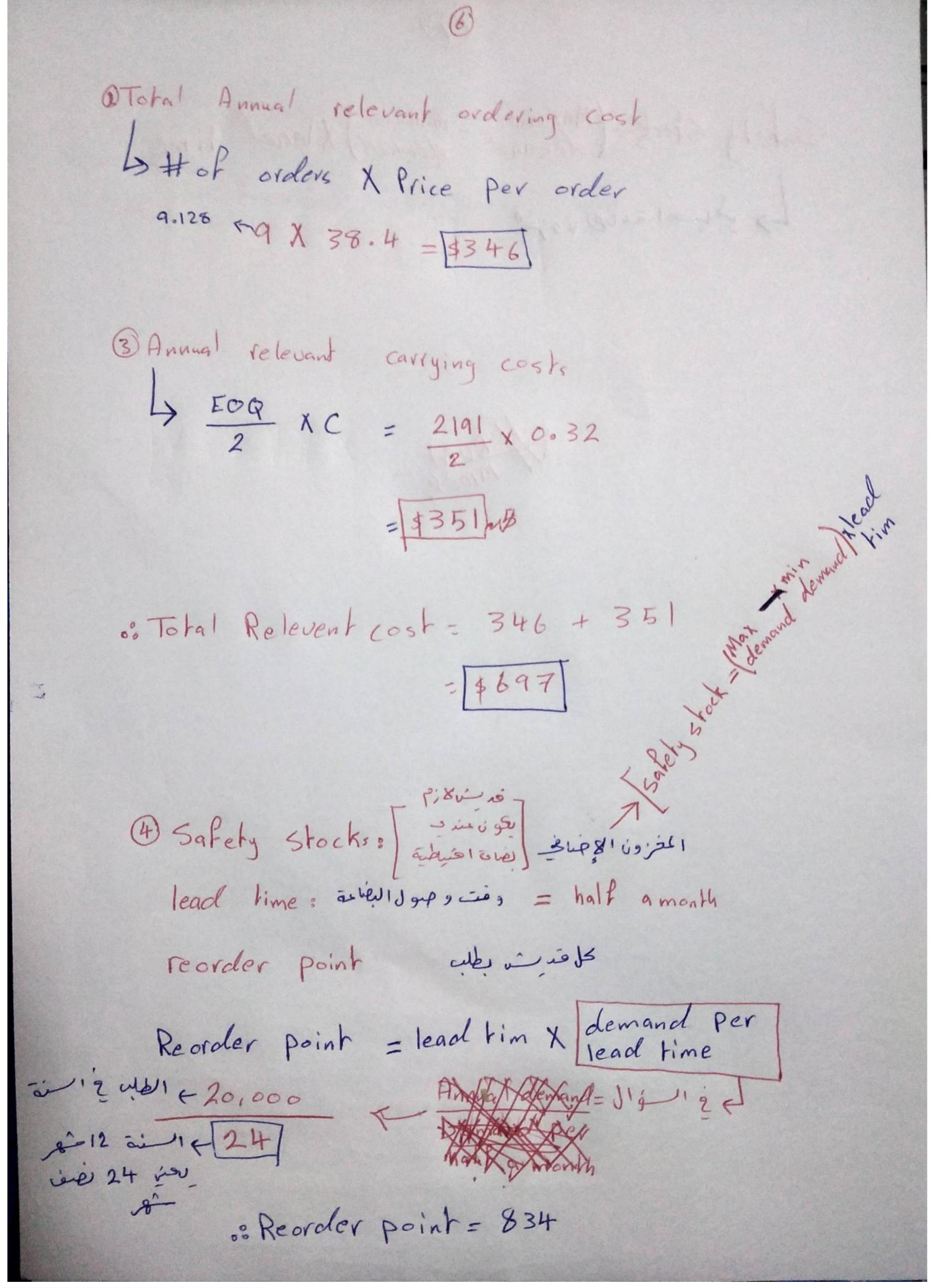
Emanagers consider the cost of anality and Shrinkage costs only to the extent that these costs affect and they ordering or carrying costs.

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and in it is a mixil alie of him and

ے الغرفيات مع [1-6] ليست واقعية لكنها بت الد عن أوجل لمعادلة [EOQ] عن أوجل لمعادلة الم

EOQ= JZDP FOQ = Economic order Quantity वर्षा निर्मा D = Demand per unit الكمية المطلوبة P = Price per order as here C = Carrying cost (Include opportunity Cost) applitable + with also txample Parchase 20,000 unit @ \$1 per unit opportunity cost 15% annual Rate of Return on Investment Relevent Carrying cost = 0.17 per unit Relevent ordering cost per purchase order 1 \$ 38.40 O EOQ = \ 2(20,000)(38.4) C = 0.17 + 0.15=  $\frac{1}{2}$ = 2191 unit B Honders - 194 # of orders = Annual Demand
· EOQ  $=\frac{20,000}{2191}=\frac{9 \text{ orders}}{}$ 



Safety Stock = (Maximum - minimum) x lead time

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WINDOR

Birzeit University

Faculty of Business and Economies

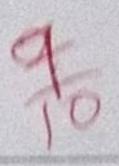
Acet. 333- Midterm Exam

Lecturer: Hind Muhtaseb

First Semester 2020/2021

Student Name and No.: 1183223 - RUBA MICOK

Multiple Choice Questions				
D	1	DO		
(	2	e		
CB	3	Ct		
C A	4	PH		
*	5	A		
A	6	A		
D	7	D		
<	8	9		
0	9	CBK	5.	
A	10	A		
C	11	9		
B	12	B	100	
B	13	DX	2	
~	14	C		
В	15	B		
D	16	D		
(	17	9		
В	18	AB		
A	19	A		
C	20	9		
		/		



#### QUESTION 1 (10 POINTS):

Piper Corporation's management has been reviewing the company's profitability and is attempting to improve performance through better planning. The company manufactures three products: L, M, and N. Selected per unit data on these products follow:

	Product L	Product M	Product N
Selling price	\$19	\$30	\$20
Variable Manufacturing	7	19	13
Variable marketing	1	2	1
Machining time required per hour	1 hour	0.50 hour	0.25 hour

The machining time is limited to 200 hours per month. The company's fixed costs are \$1,500 per month. Assuming that the number of units that can be sold of each product is limited to 500 units of L, 350 units of M, and 400 units of N.

a- Compute the contribution margin per

Product L

(A-8)

Munit a- Compute the contribution margin per machine hour for each of the three products

Product L Product M Product

- UC/unit (9-8) (30-21) (20-1 CM/mahinehour b- What product or product combination (in quantities) must be sold to obtain a maximum Total capacity 7200 hours/mount Product M > 350 X 0.5 = 175 X - 200 X 0.5 = (100 oo [400 unit Product N, 200 unit product M and no unint product L c- What is the maximum profit obtainable assuming unlimited demand? 800 X 0.25 = 200 L> Product N 800 X 4 204 - \$ 1900

### QUESTION 2: CHOOSE THE CORRECT ANSWER AND FILL UP YOUR ANSWERS ON THE ANSWER SHEET ABOVE (20 POINTS)

	200		*****
1. Fit	nancial	ассони	ting_
The second second	All the second second second		AND THE REAL PROPERTY.

A. focuses on estimating future revenues, costs, and other measures to forecast activities and their results

provides information about the company as a whole

reports information that has occurred in the past that is verifiable and reliable

both b and c

### 2. Which of the following is/are a characteristic of managerial accounting?

A. cannot be applied in service organization

B. must follow GAAP \*

emphasis on relevance of data, rather than precision

both a and c above

#### 3. Werth Company produces tie racks. The estimated fixed costs for the year are \$288,000, and the estimated variable costs per unit are \$14. Werth expects to produce and sell 60,000 units at a price of \$20 per unit. By how much can sales revenue drop before Werth incurs a loss? FC - 288,000

A. \$12,000

vclanit - 114 \$240,000

3 60,000 Sale

4. When evaluating a make-or-buy decision, which of the following needs to be considered?

A. alternative uses of the production capacity

B. the original cost of the production again.

C. pension costs to the current employees X

(D.) material-handling costs that cannot be eliminated

# 5. Which of the following is true of an opportunity cost?

A) it is the income foregone by not using a resource in an alternative way.

the higher the opportunity costs, the lower is the relevant cost.

it is recorded as an expense in the accounting records.

\*D. it is an unavoidable cost that cannot be changed no matter what action is taken.

# Hermantic, Inc. can produce 100 units of a component part with the following costs:

Direct Materials	\$30,000	10,000
Direct Labor Variable Overhead	13,000 32,000 22,000	98,000
Fixed Overhead	97,000	

If Hermantic, Inc. can purchase the component part externally for \$88,000 and only \$12,000 of the fixed costs can be avoided, what is the correct make or buy decision?

(A) Make and save \$1,000

B. Buy and save \$1,000

C. Make and save \$5,000

Buy and save \$13,000

# 7. Which of the following is /are false of historical costs?

A. they are used for decision making. x

B. they are always acc	counted as opport	tunity costs.			
C they cannot be fixe	ed costs.				
(D) all of the above fal	se.		000 units per mont	h. Unit costs at capa	city
	ation has a plan	t capacity of 200			
arei			5,700,	,000	
Direct materi	als \$4.00		2.154	1000	
Direct labor	6.00			and the second s	
Variable over		, )	7,546	000	
Fixed overhea	CONTRACTOR OF THE PARTY OF THE				
Marketing-)		DP.	OI 1,026	5,000	
Marketing va	1	16-6-1			
Current monthly sales are	e 190,000 units a	t \$30.00 each. Q	Inc., has contacted	Zephram Corporat	ion
1000 m	nite at \$74.00 kg	ch. Current sales	Monio nor he wires	the net are non-	
special order. What is Ze	phram's change	in operating pro	fits if the one-time-	only special order in	
accepted?	J.c	4	24		
\$14,800 increase	٧,٠	7			
B. \$17,200 increase \$22,000 increase					
\$22,000 increase \$33,200 increase					
9. Rambo Company ha	s three products	, A, B, and C. Th	e following informs	ation is available:	
	Product A	Product B	Product C		10
Sales	\$60,000	\$90,000	(\$24,000)	-what cos	r= 12,000
Variable costs	36,000	48,000	15,000 - Li	ncremental cos	+ 5,400
Contribution margin	24,000	42,000	9,000		=20,400
Fixed costs:		15 000	_4,000 _		= 20, 400
Avoidable	6,000	15,000	5,400 ←		
Unavoidable	7,000	9,000	S (400)		
Operating income	\$ 11,000	\$18,000	374001		
Rambo Company is th	dwan	ning Product C	because it is repo	orting a loss. Assur	ning
Rambo Company is the Rambo drops Product	Cand does No	OT replace it. o	perating income v	will .	
1	C and does in	Treplace it, o			
B increase by \$4,000					
B increase by \$4,000				da 1 - 2	
C. decrease by \$5,000  D. decrease by \$9,400				200 - 1 - 200 1	
10. If a company had a co	ntribution man	rgin of \$200,000	and a contribution	on margin ratio of	40%,
total variable costs mu	ist have been			- 104	80,000
M - 04 (A) \$300,000.	100,000	s.4 Sales	1	Saics	The state of the s
B. \$120,000	100,000			V.C	(600)
+ 65° 6500 000	Tec	20010			200,000
Sales D. \$80,000.  UC = 300f D. How much sales are r	seies			CM	1001
UC = 11. How much sales are r	equired to ear	a target net in	come of \$80,000 i	f total fixed costs a	re
\$100,000 and the cont	ribution marg	in ratio is 40%			
A. \$250,000.					
B. \$405,000.	1-100		Taril	uo X	
C \$450,000.	Saves	- MINX	100% =		
	TA				
- 1-1-1					
Sales 0-4					
Son (M	- 0	.4			
4"					
Salt	'5				
大学的一个人,我们就是一个人的一个人,我们就是一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的	THE REAL PROPERTY OF THE PARTY				

D. \$200,000.

12	Reese Com
	Reese Company requires sales of \$2,000,000 to cover its fixed costs of \$900,000 and to earn net
	income of \$400,000. What percent are variable costs of selections of \$900,000 and to earn net
	what percent are variable costs of sale-2

A. 20%.

B) 35%.

C. 45%.

D. 65%.

2,000,000 - 900,000 - x = 400,000 2,009,000 X = 700,000

13. A company with an operating income of \$68,000 and a contribution margin ratio of 54% has a margin of safety of:

A. \$36,720.

B. \$125,925.

C. \$147,826.

Mos = Sales - 距P

It is not possible to determine the margin of safety from the information provided.

### 14. Barkley Company sells two products with the following per unit data:

	Standard	Deluxe
Selling price/unit	\$75	\$120
Variable costs/unit	<u>45</u>	_60
Contribution margin/unit	<u>\$30</u>	<u>\$ 60</u>
Sales mix	3	2

If fixed costs are \$630,000, the number of standard and deluxe units that Barkley must sell to break even is

A. 1,800 standard and 1,200 deluxe.

B. 3,600 standard and 2,400 deluxe. C.) 9,000 standard and 6,000 deluxe.

D. 21,000 standard and 14,000 deluxe.

BEP = FC = 630,000 CM/unit = 210 (3130+2160)

15. When a greater proportion of costs are fixed costs, then

\*A. a small increase in sales results in a small decrease in operating income

B.) when demand is low the risk of loss is high

C. a decrease in sales reduces the total fixed cost per unit

D, a decrease in sales reduces the cost per unit X

16. If a company has a degree of operating leverage of 3.0 and sales increase by 25%, then

A. total fixed costs will increase by 75%

B. total costs will increase by 75%

C. profit will increase by 30%

D) profit will increase by 75%

17.	Which of the following costs always differ a fixed costs historical costs		
A.	fixed costs	among fatass	
B.	historical costs	and tuture a	Iternatives?
The second second	relevant costs		
D,	variable costs		
18.	Quantitative factors		
(A.	include financial information		
В.	include financial information, but not nonfina	incial informatio	onX
C.	are always relevant when model in		
D,	are always relevant when making decisions Linclude employee morale		
19	Which of the following costs is NOT considue-time-only special order?		
on	re-time-only special order?	ered to calcula	te the minimum acceptable price of a
A	marketing costs		
B	direct material costs		
C			
D	. special design costs		
20	0. Piels Corporation produces a part that is us osts associated with the production of 10,000 to	sed in the manu	facture of one of its products. The
		or this par	t are as follows:
	Direct materials	\$ 90,000	Q= 10,000 unit
	Direct labor	130,000	
	Variable factory overhead	60,000	
	Fixed factory overhead	140,000	
	Total costs	\$420,000	
C	Of the fixed factory overhead costs, \$60,000 is	avoidable.	
1	Assuming no other use of their facilities, the high	ghest price that	Piels should be willing to now for
1	0,000 units of the part is		- reas should be willing to pay for
The second second	A. \$420,000		
1	3. \$280,000		
C	\$340,000		
1	D. \$360,000		

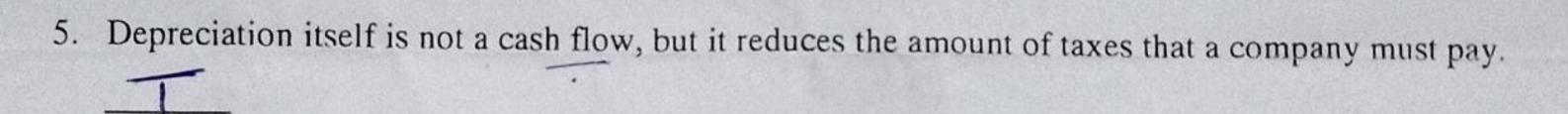
14

# NAME AND NO. 1183223 - RUBA MTOOR

ACCT 333 QUIZ/ CHAPTER 21

#### QUESTION 1: TRUE/ FALSE

- 1. Capital budgeting is the process of making long-run planning decisions for investments in projects.
- 2. The Required Rate of Return (RRR) is set externally by creditors as the interest rate on long term liabilities. F
- 3. The internal rate of return for a project is the discount rate that makes the net present value of the project equal to zero.
- 4. The present value of an amount to be received in the future will always be more than the actual amount to be received in the future. \_\_\_\_\_\_



- 6. The payback period method ignores cash flows that occur after the payback period.
- Relevant cash flows are expected future cash flows that differ among the alternative uses of investment funds.
- 8. In calculating the net initial investment cash flows, any increase in working capital required for the project should be included.

### QUESTION 2: MULTIPLE CHOICE QUESTIONS

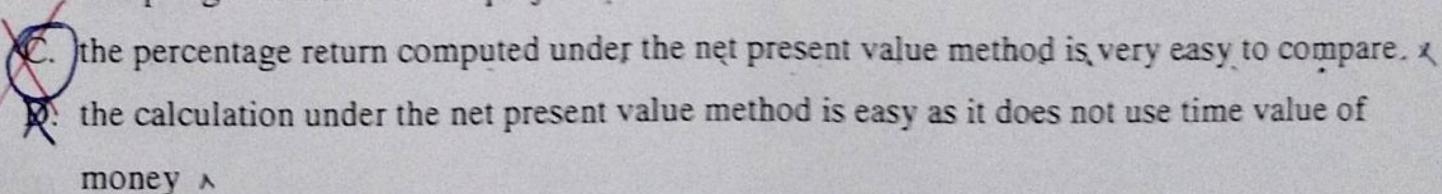
- 1. The payback period is criticized because:
  - A. It is difficult to apply
  - B. It ignores the time value of money
  - C. It is difficult to understand conceptually
  - D. All of the above

- 2. The minimum annual acceptable rate of return on an investment is the
  - A. accrual accounting rate of return
  - B, required rate of return
    - C. internal rate of return
    - D. net present value
- 3. The Virginia Company invested in a four-year project at an expected rate of return (discount rate) of 10%. Additional information on the project is as follows:

<u>Year</u>	Net cash inflow	Present value of \$1 at	t 10%
1	\$4,000	.909	3,636
2	4,400	.826	3,6 34
3	4,800	.751	3,605
4	5,200	.683	3,552

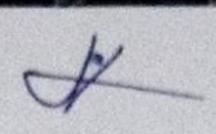
What was the amount of the original investment assuming a negative NPV of \$1,000? (Round to nearest dollar)

- 4. The net present value method of capital budgeting is preferred over the internal rate-of-return method because \_\_\_\_\_.
  - A. the net present value method is expressed as a percentage of initial investment
  - B. the net present values of individual projects can be added to determine the effects of accepting a combination of projects. X



5. Malive Park Department is considering a new capital investment. The following information is available on the investment. The cost of the machine will be \$119,000. The annual cost savings if the new machine is acquired will be \$35,000. The machine will have a 5-year life, at which time the terminal disposal value is expected to be zero. Malive Park is assuming no tax consequences. Malive Park has a 12% required rate of return. What is the payback period for the investment?

/ - A A	.2 years			
6	3.4 years			
	5 years			
	6.8 years			
	cates the average rate at v			
(A.)	a dollar of investment gene	erates after-tax operating	g income	
B.	a dollar of after-tax cash fl	ow generates net income	e	
C.	a dollar of investment gene	erates a positive cash flo	w	
D.	a dollar of after-tax non-op	perating income generate	es net income	
7. Which of t	he following is a compone	nt of net-initial-investm	nent cash flows?	
A.	original cost of an old equ	ipment 🗲		
B.	cash outflow to purchase a	a new equipment		
C.	depreciation cost			
D	. after-tax cash flow from o	perations		
8. The Gold	en Shades Corporation dis	poses a capital asset wit	h an original cost of \$280,000 and	
accumulate	d demonstration of \$160 000	for a calvage price of \$5	O OOO Silver Shades's tay rate is 40%	
accumulate	a depreciation of \$100,000	for a salvage price of \$5	0,000. Silver Shades's tax rate is 40%.	
Calculate th	ne after-tax cash inflow fro	m the disposal of the cap	pital asset.	
Calculate the	ne after-tax cash inflow fro A. \$28,000	m the disposal of the cap BV= 280,000 - 160	pital asset.	
Calculate the	ne after-tax cash inflow fro A. \$28,000 B. \$70,000	m the disposal of the cap	pital asset.	
Calculate the	ne after-tax cash inflow fro A. \$28,000 B. \$70,000 C. \$50,000	m the disposal of the cap BV= 280,000 - 160	pital asset.	
Calculate the	ne after-tax cash inflow fro A. \$28,000 B. \$70,000 C. \$50,000 B. \$78,000	m the disposal of the cap $BV = 280,000 - 160$ $120,000 = BV$	pital asset.    Tolors loss	
Calculate the A	ne after-tax cash inflow from A. \$28,000 B. \$70,000 C. \$50,000 Oid Corporation has an annual content of the cash inflow from the cash i	m the disposal of the cap $BV = 280,000 - 160$ $120,000 = BV$ nual cash inflow from open	pital asset.	
Calculate the A	ne after-tax cash inflow from 1. \$28,000 3. \$70,000 5. \$50,000 6. \$78,000 6. \$78,000 6. \$16,000 each year for second contact of \$16,000 each year for second contact year for second c	m the disposal of the cap $BV = 280,0000 - 160$ $120,0000 = BV$ in a six years. The corporation	pital asset.    Tolors loss	
Calculate the A	ne after-tax cash inflow from a. \$28,000 3. \$70,000 5. \$50,000 6. \$50,000 6. \$78,000 6. oid Corporation has an annext of \$16,000 each year for seter-tax cash inflow from operation of the corporation of t	m the disposal of the cap $BV = 280,0000 - 160$ $120,0000 = BV$ in a six years. The corporation	pital asset.	
9. The Ven capital asset the total af	ne after-tax cash inflow from A. \$28,000 B. \$70,000 C. \$50,000 oid Corporation has an annet of \$16,000 each year for street-tax cash inflow from op A. \$96,000	m the disposal of the cap $BV = 280,0000 - 160$ $120,0000 = BV$ in a six years. The corporation	pital asset.	
9. The Ven capital asset the total af	ne after-tax cash inflow from a. \$28,000 3. \$70,000 5. \$50,000 6. \$50,000 6. \$78,000 6. oid Corporation has an annext of \$16,000 each year for seter-tax cash inflow from operation of the corporation of t	m the disposal of the cap $BV = 280,0000 - 160$ $120,0000 = BV$ in a six years. The corporation	pital asset.	
9. The Ven capital asset the total af	ne after-tax cash inflow from A. \$28,000 B. \$70,000 C. \$50,000 oid Corporation has an annotat of \$16,000 each year for ster-tax cash inflow from op A. \$96,000 B. \$67,200	m the disposal of the cap $BV = 280,0000 - 160$ $120,0000 = BV$ in a six years. The corporation	pital asset.	
9. The Ven capital asset the total af	ne after-tax cash inflow from A. \$28,000 B. \$70,000 C. \$50,000 oid Corporation has an annual of \$16,000 each year for set of \$16,000 A. \$96,000 B. \$67,200 \$28,800	m the disposal of the cap $BV = 280,0000 - 160$ $120,0000 = BV$ in a six years. The corporation	pital asset.	
9. The Ven capital asset the total af	ne after-tax cash inflow from A. \$28,000 B. \$70,000 C. \$50,000 oid Corporation has an annual of \$16,000 each year for set of \$16,000 A. \$96,000 B. \$67,200 \$28,800	m the disposal of the cap $BV = 280,0000 - 160$ $120,0000 = BV$ in a six years. The corporation	pital asset.	
9. The Ven capital asset the total af	ne after-tax cash inflow from A. \$28,000 B. \$70,000 C. \$50,000 oid Corporation has an annual of \$16,000 each year for set of \$16,000 A. \$96,000 B. \$67,200 \$28,800	m the disposal of the cap $BV = 280,0000 - 160$ $120,0000 = BV$ in a six years. The corporation	pital asset.	
9. The Ven capital asset the total af	ne after-tax cash inflow from A. \$28,000 B. \$70,000 C. \$50,000 oid Corporation has an annual of \$16,000 each year for set of \$16,000 A. \$96,000 B. \$67,200 \$28,800	m the disposal of the cap $BV = 280,0000 - 160$ $120,0000 = BV$ in a six years. The corporation	pital asset.	

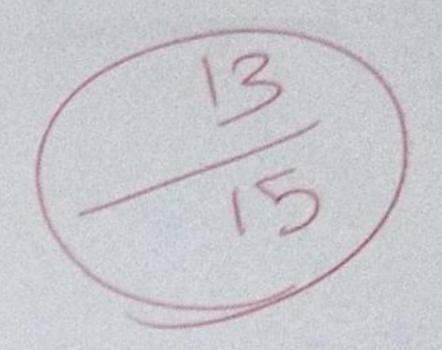


# STUDENT NAME AND NO. 183223 - Ruba Micor

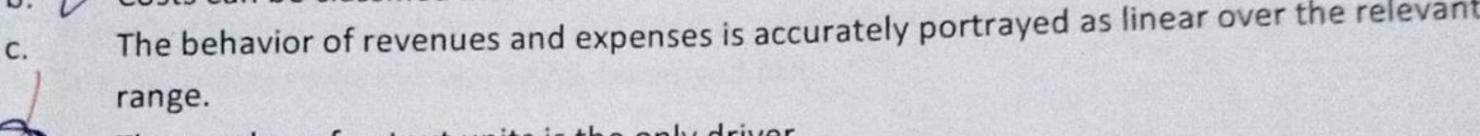
# ACCT 333/ QUIZ IN CHAPTER 3

### QUESTON 1: CHOOSE THE CORRECT ANSWER

- 1. All else being equal, an increase in advertising expenditures will
  - a reduce operating income\_
  - b. reduce contribution margin
  - increase variable costs
  - d. increase selling price



- 2. Which of the following is not an assumption of cost-volume-profit analysis?
  - The time value of money is incorporated in the analysis.
    - Costs can be classified into variable and fixed components. The behavior of revenues and expenses is accurately portrayed as linear over the relevant range.



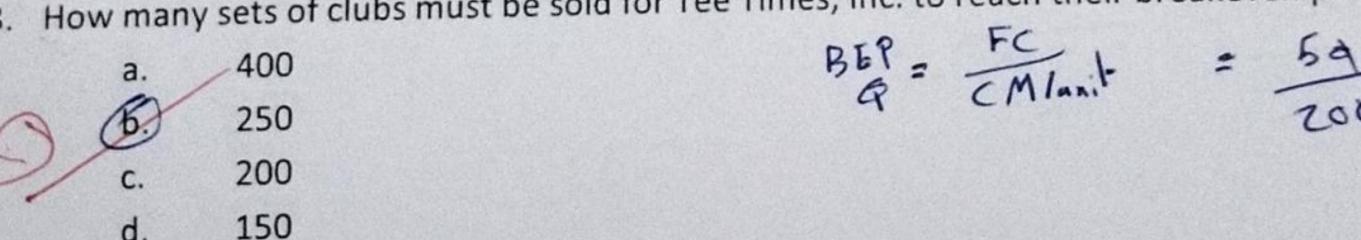
The number of output units is the only driver.

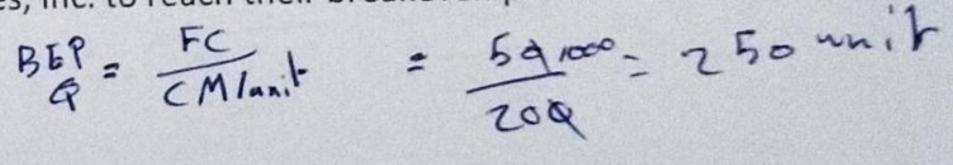
## Questions 3 through 5 are based on the following data.

Tee Times, Inc. produces and sells the finest quality golf clubs in all of Clay County. The company expects the following revenues and costs in 2020 for its Elite Quality golf club sets:

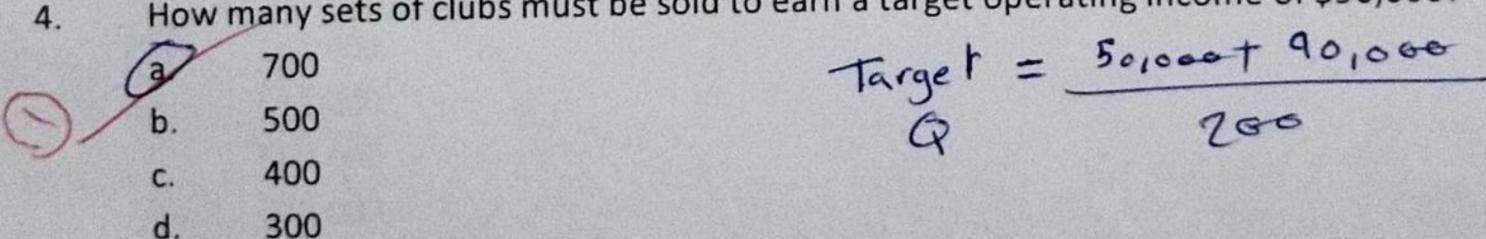
Revenues (400 sets sold @ \$600 per set)	\$240,000
Variable costs	160,000
Fixed costs	50,000

How many sets of clubs must be sold for Tee Times, Inc. to reach their breakeven point?

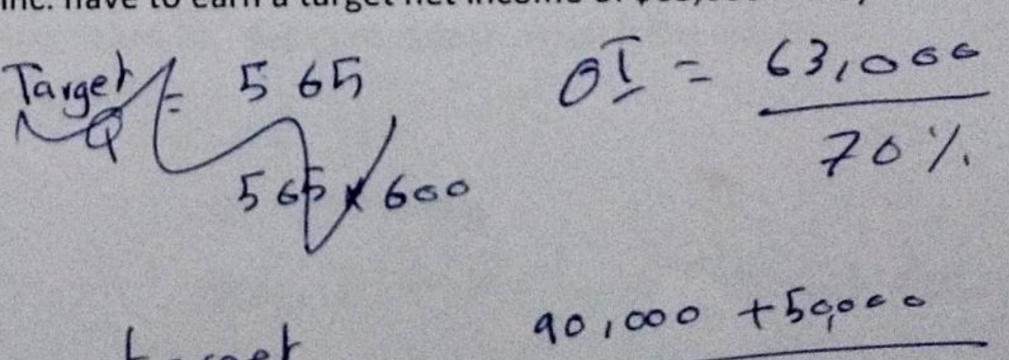




How many sets of clubs must be sold to earn a target operating income of \$90,000?

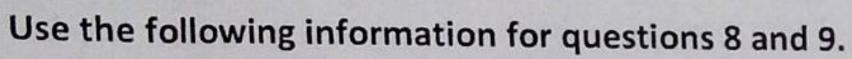


- What amount of sales must Tee Times, Inc. have to earn a target net income of \$63,000 if they have 5.
- a tax rate of 30%? \$489,000 \$429,000 \$420,000



- d. \$300,000
- 6. A company that sells many different types of products should approach C-V-P analysis by assuming that
  - a. all products will have the same contribution margin ratio.

    b. products will be sold in a constant mix.
  - c. they should calculate a separate break-even calculation for each item.
  - d. they will sell equal amounts of each item.
- 7. In a company with low operating leverage, \_\_\_\_\_
  - xa. fixed costs are more than the contribution margin
  - b. contribution margin and operating income are inversely related there is a higher possibility of net loss than a higher-leveraged firm less risk is assumed than in a highly leveraged firm

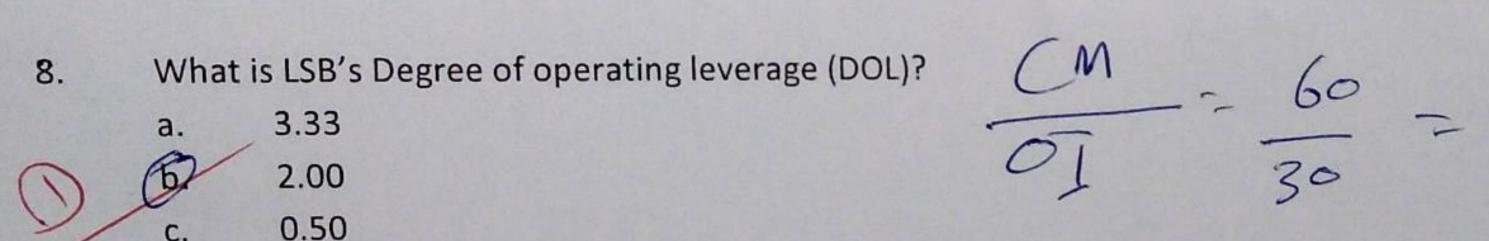


LSB Company has the following income statement:

Revenues	\$100,000
Variable Costs	_40,000
Contribution Margin	60,000
Fixed Costs	30,000
Operating Income	30,000

1.00

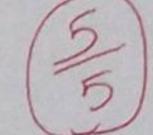
d.



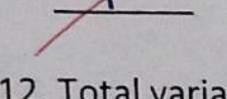
- 9. If LSB's sales increase by \$20,000, what will be the company's operating profit?
  - \$42,000 b. \$12,000 c. \$50,000 d. \$30,000
  - 10. Stones Manufacturing sells a marble slab for \$1,100. Fixed costs are \$33,000, while the variable costs are \$550 per slab. The company currently plans to sell 210 slabs this month. What is the margin of safety (in dollars) assuming 85 slabs are actually sold?
  - a. \$165,000 b. \$49,500 BEP = 60MOS= BEAN Sales - BEP 85 - 60 = 25 unit  $25 \times 1,100 = 27,500$

### QUESTION 2: TRUE/ FALSE

- 8. If the contribution margin ratio is 40%, it means that every \$1.00 of sales will contribute \$0.40 to covering fixed costs and generating a profit.
- 9. Contribution margin ratio is generally the same as gross margin ratio.
- 10. When performing cost volume profit analysis with multiple products, it is important to assume the sales mix remains constant.



11. At the breakeven point, total fixed expenses equal total contribution margin.



12. Total variable costs change in direct response to changes in volume or activity.

