

Parametric Equations are - oct (o y = ++1 Find (A) Cartesian equation (relation between x and y) (B) Sketch the curve (c) Find direction $X = t^2 = (y-1)^2$ (X=(y-1)) S Cartesian Eg. $-\infty (t < \infty) =) \begin{cases} 1 \\ 7 \end{cases}$ $t_0=0$ \Rightarrow $(x_1y)=(0,0)=(0,1)$ $t_1 = 1 = (x_1 y) = (\frac{1}{1}, 1 + 1) = (1, 2)$

(1)
$$y = \sqrt{1-t^2}$$
, $-1 \le t \le 0$

(1) $y = \sqrt{1-t^2}$, $-1 \le t \le 0$

(2) $y = \sqrt{1-t^2}$, $y = \sqrt{1-t^2}$

(3) $y = \sqrt{1-t^2}$

(4) $y = \sqrt{1-t^2}$

(5) $y = \sqrt{1-t^2}$

(6) $y = \sqrt{1-t^2}$

(7) $y = \sqrt{1-t^2}$

(8) $y = \sqrt{1-t^2}$

(9) $y = \sqrt{1-t^2}$

(10) $y = \sqrt{1-t^2}$

(11) $y = \sqrt{1-t^2}$

(12) $y = \sqrt{1-t^2}$

(13) $y = \sqrt{1-t^2}$

(14) $y = \sqrt{1-t^2}$

(15) $y = \sqrt{1-t^2}$

(16) $y = \sqrt{1-t^2}$

(17) $y = \sqrt{1-t^2}$

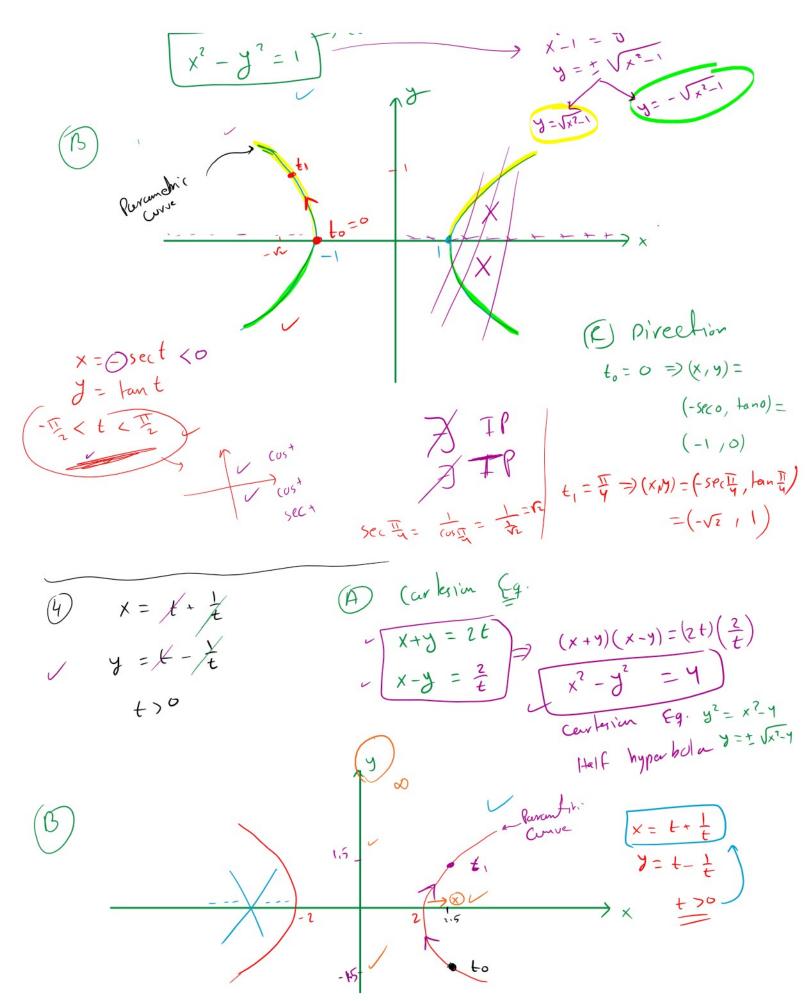
(17) $y = \sqrt{1-t^2}$

(18) $y = \sqrt{1-t^2}$

(19) $y = \sqrt{1-t^$

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Parametrization [ine] through the points (a,b), (c,d)

$$y - y_0 = m(x - x_0)$$
 $y - b = m(x - x_0)$
 $y - b = m(x - x_0)$

Let $t = x - a$
 $y = b + mt$
 $y = b + mt$

