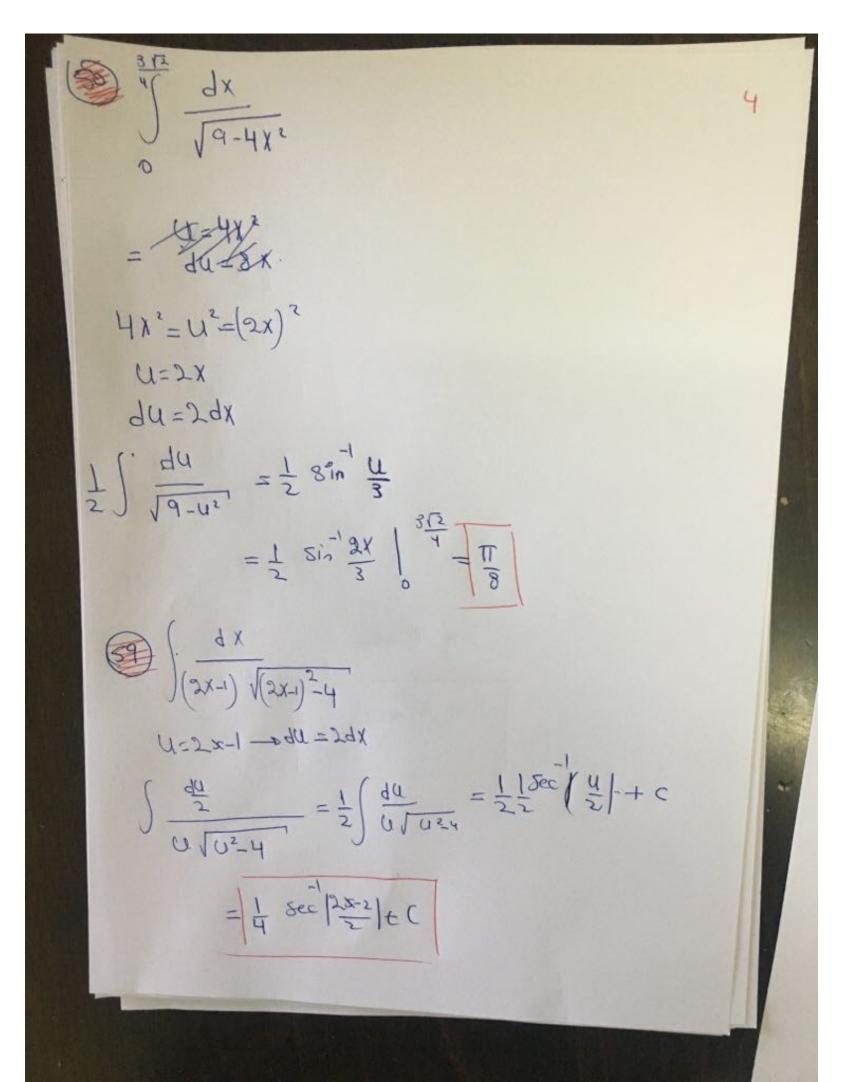


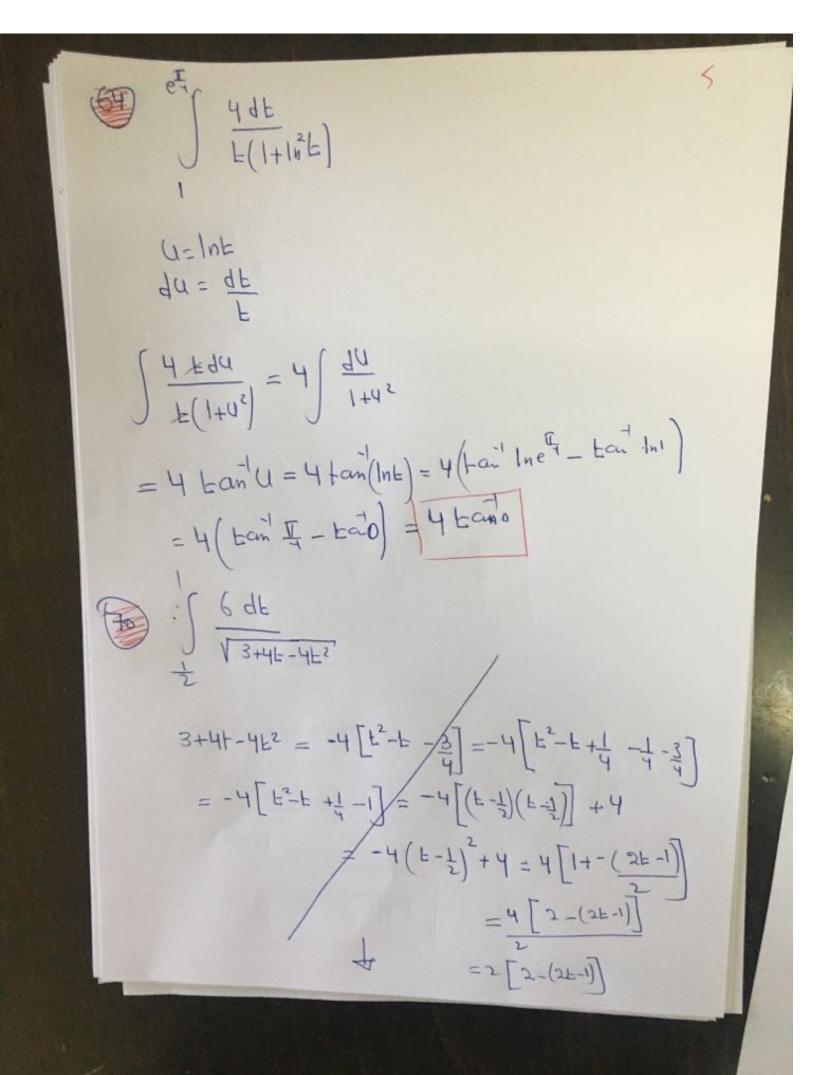


$$\frac{dy}{dk} = -\frac{e^k}{\left|e^k\right|^2 - \left|e^k\right|^2}$$

$$\frac{dx}{dy} = 0 - \frac{x^2}{\sqrt{1+x^2}} - \frac{1+x^2}{\sqrt{1+x^2}}$$

$$= \frac{\frac{1}{x^2}}{\frac{1}{x^2+1}} - \frac{1}{1+x^2} = \frac{\frac{1}{x^2}}{\frac{1+x^2}{x^2}} - \frac{1}{1+x^2} = \frac{1}{1+x^2}$$





$$3+44-442=4(2-1)+3$$

$$=-4(1-1)+3$$

$$=-4(1-1)+3$$

$$=-4(1-1)+4$$

$$=-4(2-1)+4$$

$$=-4(2-1)+4$$

$$=-4(2-1)+4$$

$$=-4(2-1)+4$$

$$=-4(2-1)+4$$

$$=-4(2-1)+4$$

$$=-4(2-1)+4$$

$$=-3 \sin \frac{1}{2} - 3 \sin \frac{1}{2}$$

$$=3 \sin \frac{1}{2} - 3 \sin \frac{1}{2}$$

$$=3 \sin \frac{1}{2} - 3 \sin \frac{1}{2}$$