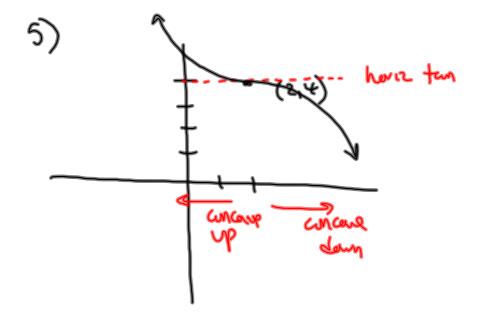
1)  $\omega$ )  $(s_{1}(x_{1})(x_{2})+x_{3}(\omega x))$   $\omega$ )  $(s_{1}(x_{2})(x_{3})+x_{3}(\omega x))$   $(s_{1}(x_{3})+x_{3}(x_{3})(x_{3})-(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3}(x_{3})(x_{3})-(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3}(x_{3})(x_{3})-(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3}(x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3}(x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3}(x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3}(x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3}(x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3}(x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3}(x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3})(x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3})(x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3})(x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3})(x_{3})(x_{3})+x_{3}(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3})(x_{3})(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3})(x_{3})(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3})(x_{3})(x_{3})(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3})(x_{3})(x_{3})(x_{3})(x_{3})$   $(s_{1}(x_{3})+x_{3})(x_{3})(x_{3})(x_{3})(x_{3})(x_{3})$  $(s_{1}(x_{3})+x_{3})(x$ 

6) 6 cossx (-21117x).J

3) 
$$2x^{2}-3y^{2}=12xy$$
  
 $6x^{2}-6y\frac{dy}{dx}=12x\frac{dy}{dx}+y\cdot 13$   
 $\frac{dy}{dx}=\frac{6x^{2}-12y}{12x+6y}$   
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 $\frac{dy}{dx}=\frac{6x^{2}-12y}{12x+6y}$   
 $\frac{dy}{dx}=\frac{6x^{2}-12y}{12x+6y}$   
 $\frac{dy}{dx}=\frac{704}{12x}$ 



$$(-) \qquad (+)$$

$$(-) \qquad (-)$$

$$(-) \qquad (+)$$

$$(-) \qquad (-)$$

$$(-)$$

7) 
$$f(x) = \sin x - \cos x$$
  $(0, ii)$ 

$$= \cos x + \sin x = 0$$

$$\sin x = -\cos x$$

$$\cos x + \sin x = 0$$

$$\sin x = -\sin x - \cos x$$

$$\cos x + \sin x = 0$$

$$\sin x = -\sin x - \cos x$$

$$\cos x + \sin x = 0$$

$$\sin x = -\sin x - \cos x$$

$$\cos x = -\cos x$$

$$\cos x = -\cos$$

8) 
$$A=(X\cdot 2r) + \frac{\pi r^2}{2}$$
 $P=\frac{2\pi r}{2} + 2r + 2x$ 
 $P_{rect} = 4r + 2x$ 
 $X=\frac{P-4r}{2}$ 
 $A=(\frac{P-4r}{2})^2r + \frac{\pi r^2}{2}$ 
 $A=(\frac{P-4r}{2})^2r + \frac{\pi r^2}{2}$ 

9) 
$$s(t) = t^{3} - 6t^{2}$$
  
 $v(t) = 3t^{2} - 12t$   
 $a(t) = 6t - 12$   
 $v(t) = 0$ ?  
 $3t^{2} - 12t = 0$   
 $t = 0$   $3t - 12t = 0$   
 $t = 0$   $3t - 12t = 0$   
 $t = 0$   $t = 4$ 

$$\frac{dsp}{dsp} = \frac{5(5)}{5(5)} = \frac{5^{3} - b(5)^{3}}{5(5)} = \frac{125 - 150}{5(4)} = \frac{25 - 150}{5(4)} = \frac{25$$

10) 
$$f(x) = x^2 - 7$$
  
 $f'(x) = 2x$   
let  $X_1 = 3$   
 $X_2 = X_1 - \frac{f'(x_1)}{f'(x_1)} = 3 - \frac{2}{6} = 2.667$   
 $X_3 = 2.667 - \frac{f'(2.667)}{f'(2.667)} = 2.979$   
 $X_4 = 2.797 - 2.664$   
 $X_7 = 2.664$