_	
39	Pz-76x3+4360x2-320,000
	Divelthe smaller & such that P= 2,600,000
	Y= 2,500,000

$$0) y + 12 = \frac{5}{12}(x - 6)$$
 opp. recip. slope

$$x^{2} + y^{2} = 169$$

$$x^{4}z - y,$$

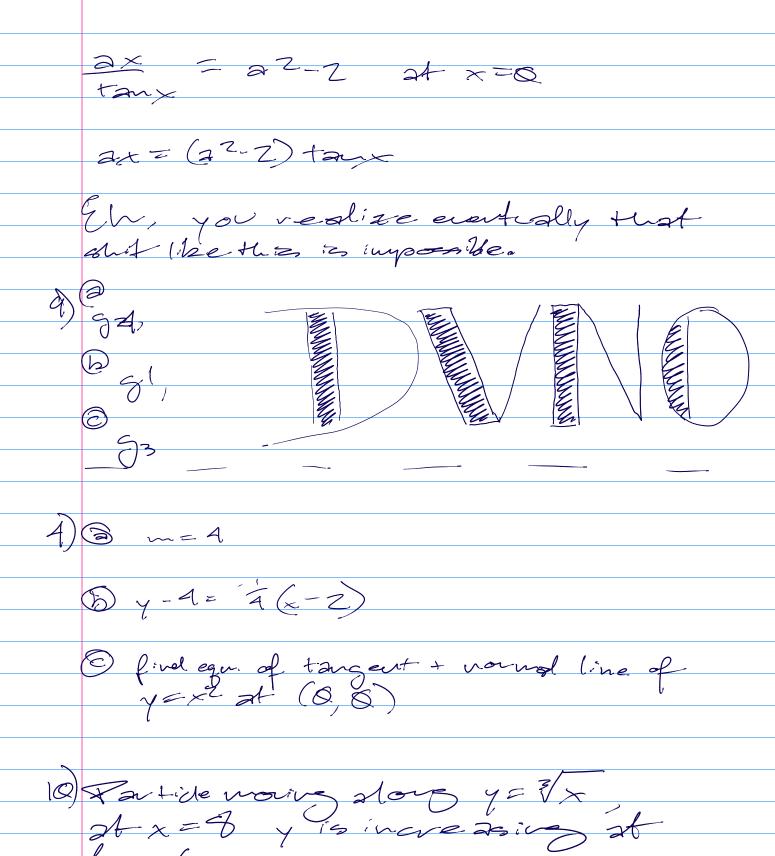
$$\sqrt{169 - x^{2}} + 12$$

$$x - 5$$

$$x^{2}z - x,$$

6) 
$$\lim_{x \to a} \sqrt{a + b \times - \sqrt{3}} = \sqrt{3}$$

$$f(x) = \left(\frac{2x}{4}\right) \times \frac{2}{4} = \left(\frac{2x}{4}\right)$$



	a) how part is the x component
	a) how fact is the x component changing it this point?
dy = j	
dx= 12	
47.	
cul 5	b) how last zette distance from
, ,	b) how fast is the distance from the origin danging at this point?
dx T	
<u>uy</u>	
	c) how book to the Lat indication of
	classic of the second
Function ble	c) how fast is the E of indination of changing It this point.
avetan aveble	

$$\begin{array}{c}
256/11-392 & \text{COO} \\
11) \int_{x\sqrt{x}} dx = \int_{x} (x^{-1} \cdot x^{-1} \cdot 2) dx
\end{array}$$

$$= \left( \frac{-3}{2} \right) \times \frac{-2}{6} \times \frac{6}{2} + C$$

$$\frac{19}{9} \int (x+3) dx = \frac{1}{2} x^2 + 3x + C$$

$$\int (x^3 + 2) dx = \frac{3}{4} x^4 + 2x + C$$

23) 
$$\int \sqrt[3]{x^2} dx = \int (x^2)^{\frac{1}{3}} dx = \int x^{\frac{3}{3}} dx = \frac{3}{6} x^{\frac{5}{3}} + C$$

$$\frac{27}{\sqrt{x^2+x+1}} do = \left(\frac{x^2+x+1}{x^2}\right) dx$$

$$= \int (x^{\frac{3}{2}} + x^{\frac{1}{2}} + x^{\frac{1}{2}}) dx = \frac{2}{5}x^{\frac{5}{2}} + \frac{2}{3}x^{\frac{3}{2}} + 2x^{\frac{1}{2}}$$

for 6 ) an 
$$256/47$$
,  $49$ ,  $51$ ,  $63$ ,  $67$ - $79$  adds

17)  $\int \frac{dy}{dx} = \int (2x-1)$ 
 $y = \int (2x-1) dx$ 
 $y = x^2 - x + c$  for the point  $(1, 1)$ 
 $1 = 1^2 - 1 + c$ 
 $c = 1$ 
 $c = 1$ 

51) 
$$\int_{dx}^{dx} = \int_{cos} x$$
 going through  $y = \int_{cos} x dx$   $y = \sin x + c$   $\int_{dx}^{dx} = \int_{cos} x dx$   $\int_{dx}^{dx} = \int_{cos} x dx$   $\int_{dx}^{dx} = \int_{cos} x dx$   $\int_{dx}^{dx} = \int_{dx}^{dx} = \int_{d$ 

$$b = \frac{3}{4}(36) + 30 + 12 + 6$$

$$= 27 + 30 + 17$$

$$= 69 \text{ am}$$

(3) 
$$a(t) = -32$$
 $v(t) = \int_{-32}^{-32} dt$ 
 $v(t) = \int_{-32}^{-32} dt$ 
 $v(t) = -32 + c$ 
 $v(t) = -32 + c$ 
 $v(t) = -16 + c + c + c$ 
 $v(t) = -16 + c + c + c$ 
 $v(t) = -32 + c$ 

