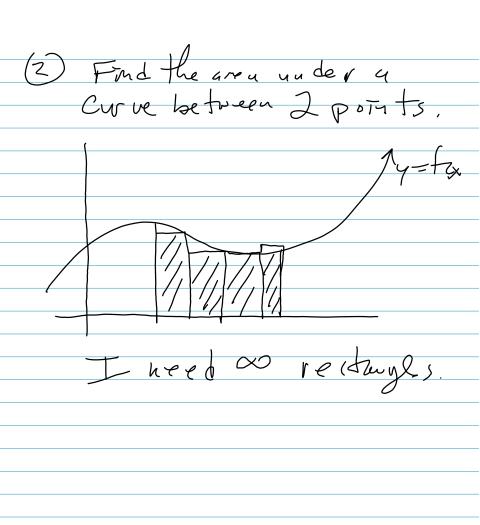
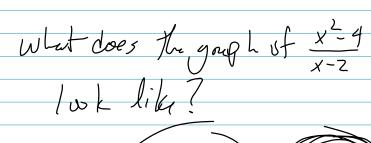
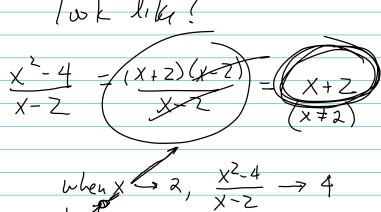
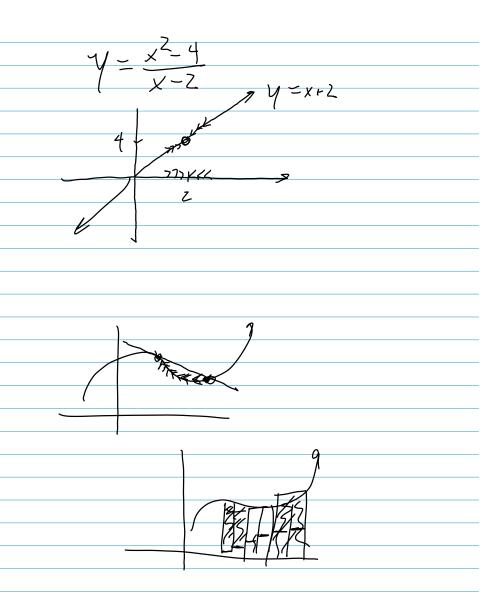
Thursday For 12th 2 problems in Calculus D Find the slope of a tangent line we need 1 (disture) wit be Zero)









$$\int (x)^{-1} \times |x|$$

$$\lim_{x \to 2} \int (x)^{-1} \times |x|$$

$$\lim_{x \to 2} \int (x) = 1$$

$$\lim_{x \to 3} \int (x) = 1$$

$$y = f(x)$$

Find the slope of the line that

connects points on this yaph

at
$$x=1$$
 and $x=q$ (a>1)

(1,1)

(a,\frac{1}{a}) (7,\frac{1}{z})

$$M = \frac{1}{q-1} = \frac{1}{q} - \frac{q}{q}$$

$$-\frac{1-q}{q}$$

 $=\frac{1-9}{9}\times\frac{1}{9-1}$

 $=\frac{-(a-1)}{a(a-1)}=\frac{1}{a}$