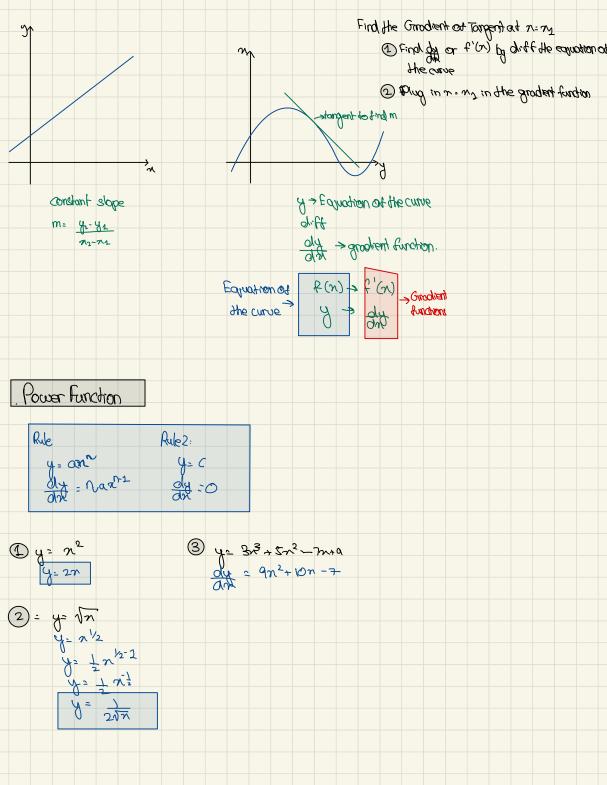
## DIFFERENTIATION



9 
$$2n^3 - 5n + 4$$

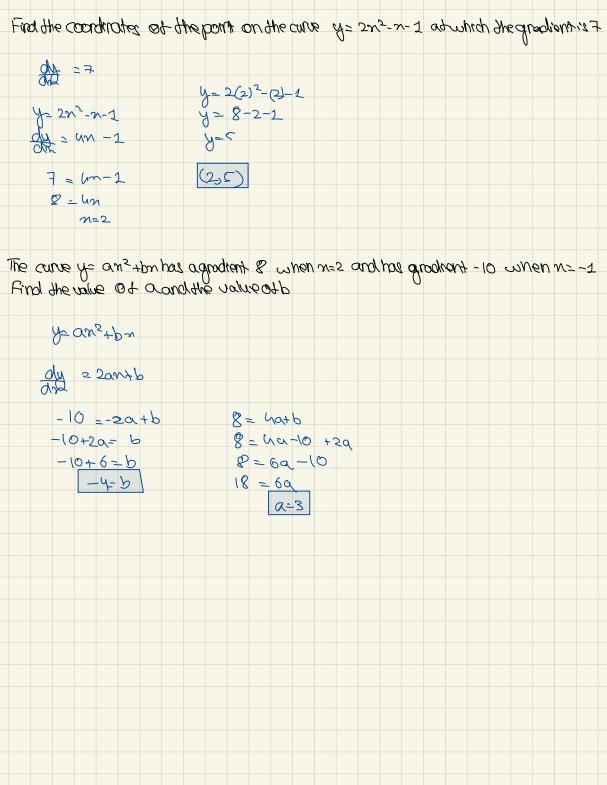
of  $4n^2 - 5$ 

o

2 
$$y = 5n^3 - 2n^2 - 3$$
 at the point  $(0, -3)$ 

3) 
$$y=2+\frac{8}{2}$$
 at the point  $(-2,-2)$ 

$$\frac{dy}{dx}=-\frac{8}{2} \Rightarrow -\frac{8}{4}=-2$$



$$\frac{34}{3} = 3^{2} - 5n+6$$

$$2 = n^{2} - 5n+6$$

$$0 = n^{2} - 5n+4$$

$$0 = n^{2} - 4n-n+4$$

$$0 = n(n-4) - 2(n-4)$$

$$9 = \frac{3}{3} - \frac{5}{2} + 6n - 1$$

$$0 = (n-4)(n-1)$$

$$9 = \frac{3}{3} - \frac{5}{2} + 6 - 1$$

$$0 = (n-4)(n-1)$$

$$9 = \frac{3}{3} - \frac{5}{2} + 6 - 1$$

$$9 = \frac{3}{2} - \frac{15}{2}$$

$$= \frac{17}{6}$$

$$9 = \frac{34}{3} - \frac{36}{2} + 24 - 1$$

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