Latro 10101 1011 2

11/09/21

1. Tanpa menggunarban aplikasi graphing.

y= 4x4 - 10x3 -4x2

x \$0 4= 4x4-10x3-4+ = 2x2-5+-2 2 +2

Title prycale

4'=0

9-2x2-5x-2

0=4x-5

y= 2.25 -1.5 -2

S= AX

1 = ×

-41

TP + TP(5 , -41)

0 = 2 x - 5 x - 2

X=-b + 1 52 -400

x = 5 ± 1/25 + 16 (real)

Bentuk grafik terbuka keatar. Mennotong Finish x di fur til.

2
$$\frac{dy}{dx} \frac{dx}{dx} = 8 \times y = 0$$

$$2 \times \frac{3}{4} + 4y^{3} = 8 \times y = 0$$

$$2 \times \frac{3}{4} + 4y^{3} = \frac{dy}{dy} - \frac{dy}{dy} = 0$$

$$6 \times \frac{2}{4} + 12y^{2} = \frac{dy}{dy} - \left(8y + 8x + \frac{dy}{dx}\right) = 0$$

$$6 \times \frac{2}{4} - 8y + \left(12y^{2} - 3y\right) = 0$$

$$\frac{dy}{dx} = \frac{6x^{2} - 8y}{dx}$$

$$\frac{dy}{dx} = \frac{6x^{2} - 8y}{4x^{2} + 3y}$$

3+2-44

-6y2+4y

3. Brayu per
$$x$$
 hari

 $f(x) = 2x - 120 + 50/x$
 $f'(x) = 20$
 $0 = 2 - \frac{50}{x^2}$
 $0 = 2x^2 - 50$
 $25 = x^2$
 $\pm 5 = x$
 $x = 5$
 $f(5) = 2.5 - 120 + 50/5$
 $= 10 - 120 + 10$

= -100