

$$y = \frac{2-3x}{x^2}$$

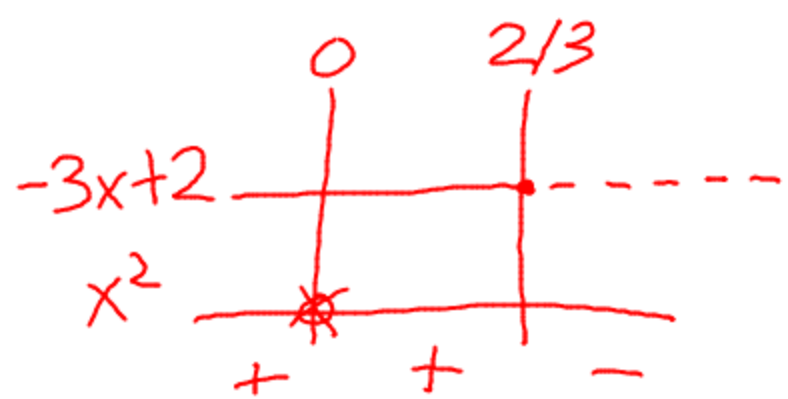
$$D \{ \forall x \in \mathbb{R}; x \neq 0 \}$$

as. vert.

$$x=0$$

as. orizz.

$$y=0$$



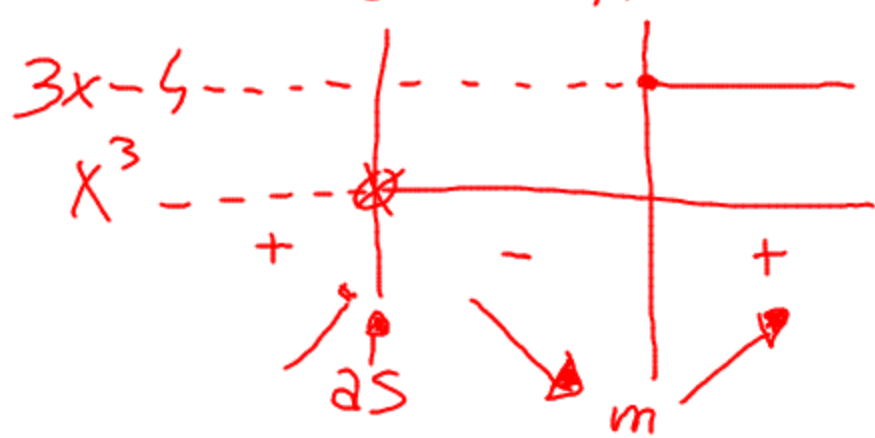
intass:

$$(2/3; 0)$$

$$y' = \frac{-3x^2 - 2x(2-3x)}{x^4}$$

$$y' = \frac{-3x^2 - 4x + 6x^2}{x^4} \Rightarrow y' = \frac{3x^2 - 4x}{x^4} \Rightarrow y' = \frac{x(3x-4)}{x^4}$$

$$y' = \frac{3x-4}{x^3}$$



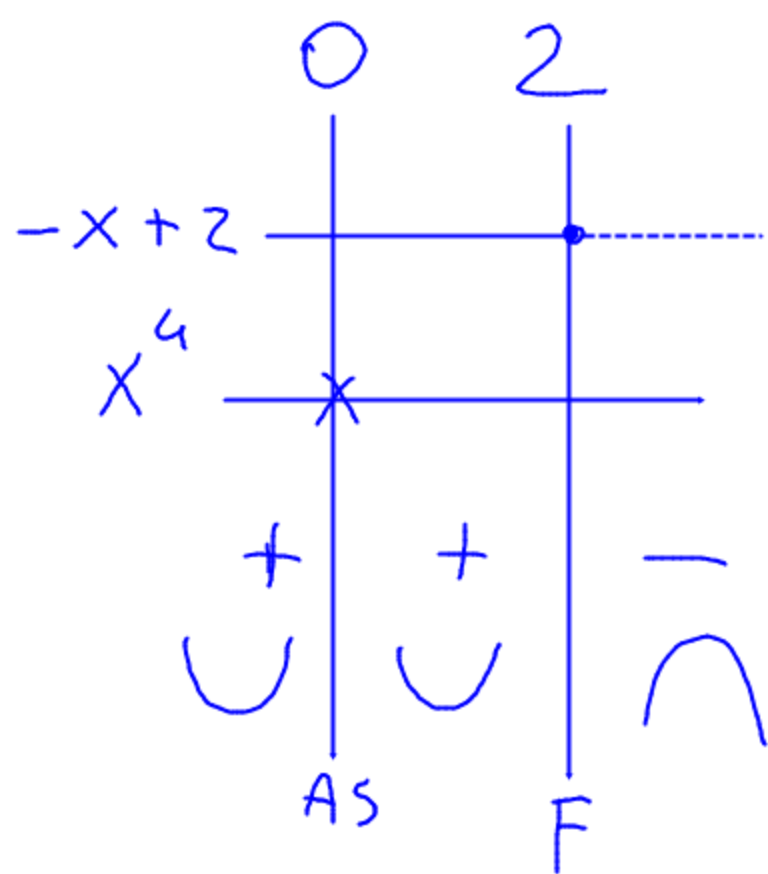
$$y = \frac{2-3(\frac{4}{3})}{(\frac{4}{3})^2} \Rightarrow y = \frac{2-4}{\frac{16}{9}} \Rightarrow \frac{-2}{\frac{16}{9}} \Rightarrow -\frac{2}{16} \cdot \frac{9}{8} = y = -\frac{9}{8}$$

$$m = (4/3; -9/8)$$

$$y' = \frac{3x-4}{x^3}$$

$$y'' = \frac{3x^3 - 3x^2(3x-4)}{x^6} = \frac{3x^3 - 9x^3 + 12x^2}{x^6} = \frac{-6x^3 + 12x^2}{x^6}$$

$$= \frac{6x^2(-x+2)}{x^6} = \frac{6(-x+2)}{x^4}$$



$$y_F = f(2) = \frac{2-6}{4} = \frac{-4}{4} = -1$$

$$F(2; -1)$$

