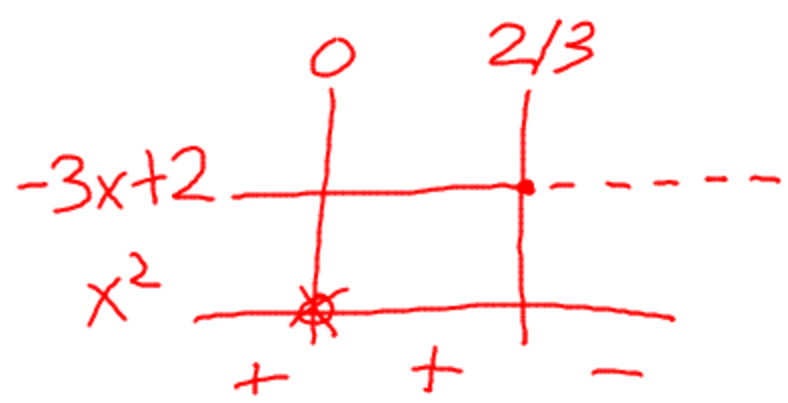


$$y = \frac{2-3x}{x^2}$$

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

$$D =]-\infty; 0[\cup]0; +\infty[$$

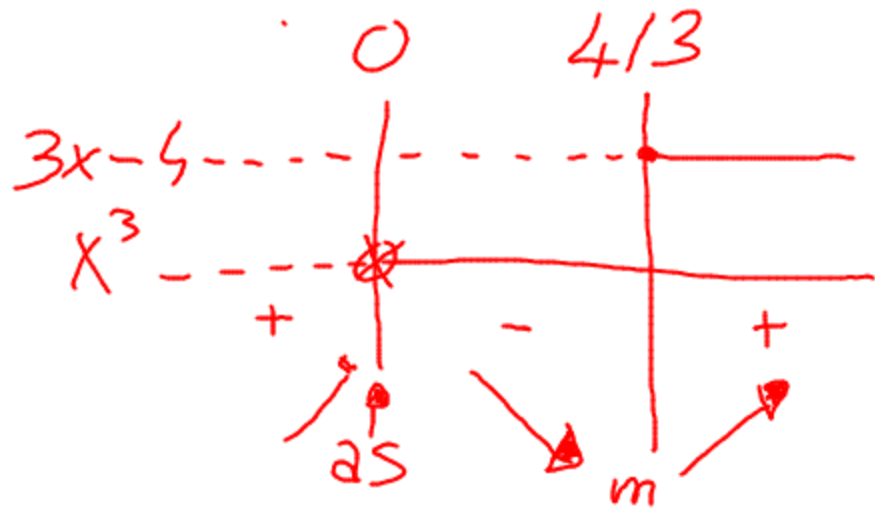


intass:
(2/3; 0)

asintoto vertical
 $x=0$

asintoto orizzontale
 $y=0$

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



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

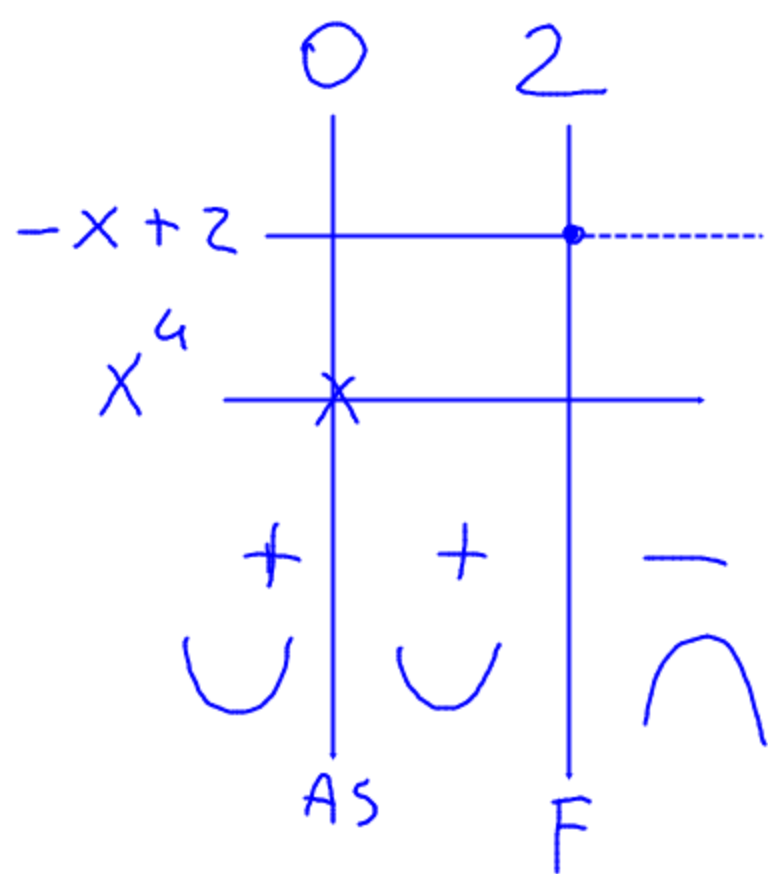
$$y' = \frac{3x-4}{x^3}$$

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

$$m = \left(\frac{4}{3}; -\frac{9}{8}\right)$$

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

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



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

$$F(2; -1)$$

