$$y = \frac{(x^2-16)(4x) - (2x^2-8)(2x)}{(x^2-16)^2}$$

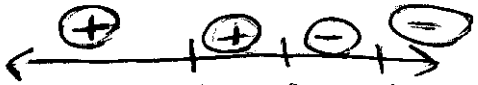
$$y' = 4x^3 - 64x + (-4x^3 + 16x)$$

$$y' = \frac{-48x}{(x^2-16)^2} = \frac{0}{1}$$

$$-48x = 0$$

$$x = 0$$

POND @ $x = -4$, $x = 4$



TP $(0, 1/2)$

$$y'' = \frac{(x^2-16)^2(-48) - (-48x)(2(x^2-16)(2x))}{(x^2-16)^4}$$

$$y'' = \frac{(x^2-16)(-48) - (-48x)(2(x^2-16)(2x))}{(x^2-16)^3}$$

$$y'' = -48x^2 + 768 + 192x^2$$

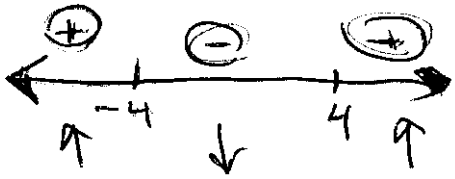
$$y'' = \frac{144x^2 + 768}{(x^2-16)^3}$$

$$\frac{144x^2}{144} = \frac{-768}{144}$$

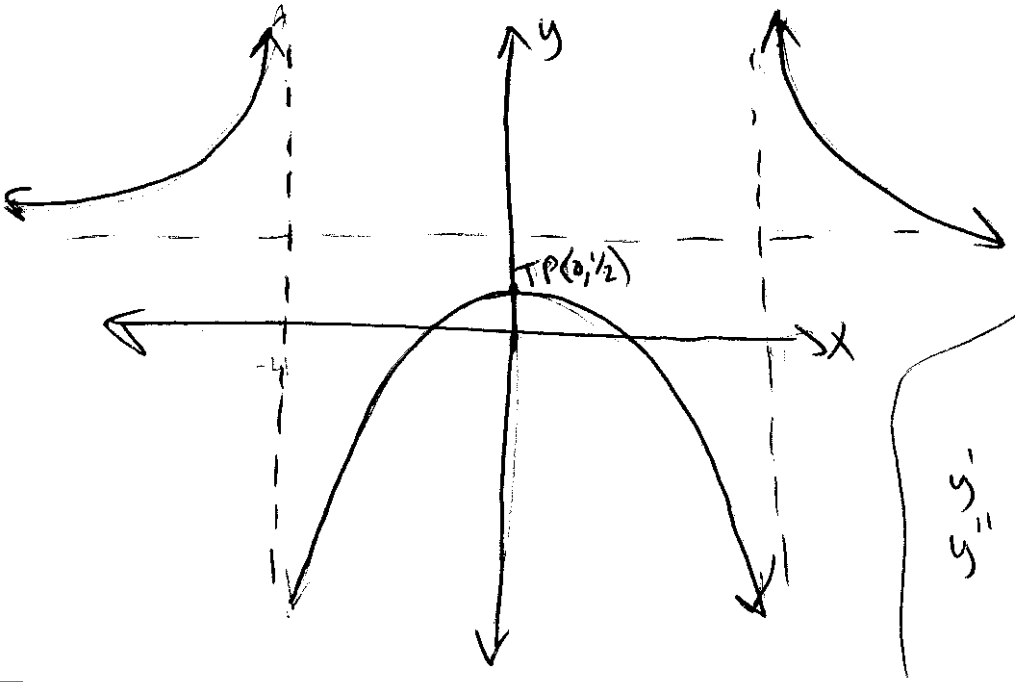
$$x^2 = -5.333$$

x = imaginary

POND $x = -4$, $x = 4$



NO POI b/c undefined



BIC