$$y = \frac{x^{2} - 2x + 1}{x} = x - 2 + \frac{1}{x}$$

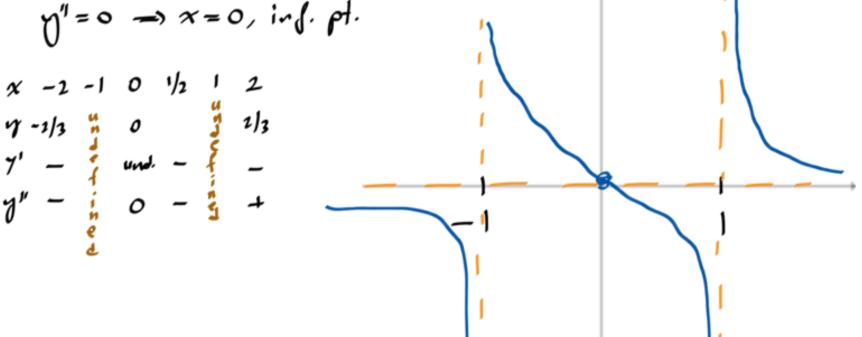
$$y = x - 2 + \frac{1}{x}$$

$$x = 0 \text{ is the Vertical oblique 2 sup.}$$

$$x^{2} - 2x + 1 = 0$$

$$(x - 1)^{2} = 0 = 0 \quad x = 1, \text{ Interupt pt.}$$

$$y = \frac{x}{x^{2}-1} \quad \text{odd function} \quad \cancel{x} \quad y = 0 \Rightarrow y = 0 \quad \text{horizontal} \\
y' = -\frac{1+x^{2}}{(x^{2}-1)^{2}}, \quad y'' = \frac{2\times(x^{2}+7)}{(x^{2}-1)^{3}} \quad \cancel{x} \quad y'' = \infty, \quad \cancel{x} \quad y'' = -\infty \\
x = \pm 1, \quad \text{vertical asymptotes}$$
No chridical pts = No local wax/min
$$y'' = 0 \Rightarrow x = 0, \quad \text{in f. pt.}$$



Homework: $\eta = \chi^{7/3} + \Gamma \chi^{2/3}$