

$$g(y) = \frac{y-1}{y^2-y+1}$$

$$g'(y) = \frac{(y^2-y+1)(1) - (y-1)(2y-1)}{(y^2-y+1)^2}$$

$$0 = y^2 - y + 1 - (2y^2 - y - 2y + 1)$$

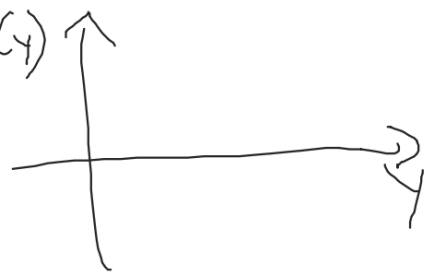
$$0 = y^2 - y + 1 - 2y^2 + 3y - 1$$

$$0 = -y^2 + 2y$$

$$0 = y(-y+2)$$

$$y=0$$

$$y=2$$



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ABS MIN

$x=0$

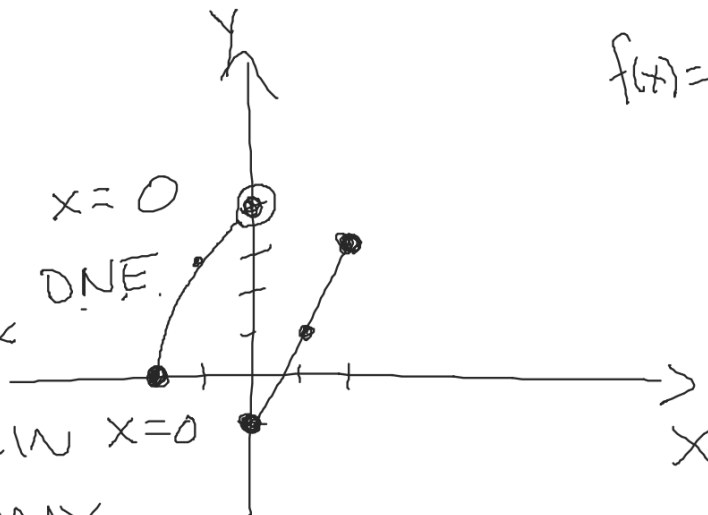
DNE.

ABS MAX

LOCAL MIN  $x=0$

LOCAL MAX

DNE.



$$f(x) = \begin{cases} 4-x^2 & -2 \leq x < 0 \\ 2x-1 & 0 \leq x \leq 2 \end{cases}$$