16. (CONT.)

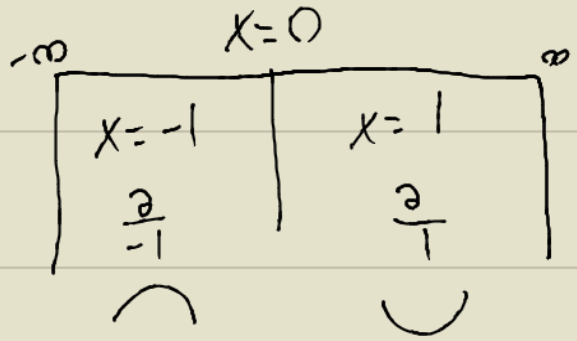
$y' = \ln(x^2) + 2$

$y'' = \frac{1}{x^2} \cdot \frac{d}{dx}(x^2)$

$= \frac{2x}{x^2}$

$y'' = \frac{2}{x}$

$x = 0$



CONC DOWN $(-\infty, 0)$

CONC UP $(0, \infty)$

NO POI'S

NOTE

$x=0$ IS NOT AN X-INT.

NOTE

REL MIN IS $(0.4, -.7)$