

5. $y = \frac{x-4}{x+3}$

Domain: $x+3=0$

$x \neq -3$

$(-\infty, -3) \cup (-3, \infty)$

X-INT $0 = \frac{x-4}{x+3}$

$0 = x-4$

$x = 4$

Y-INT $y = \frac{0-4}{0+3}$

$y = -\frac{4}{3}$

VA
 $x+3=0$

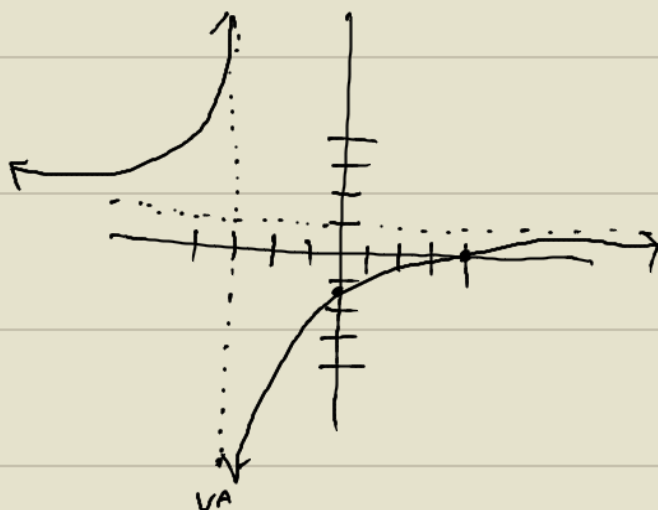
$x = -3$

HA
 $y = \frac{1}{1}$

$y = 1$

SA

NONE



$y = \frac{x-4}{x+3}$ P $P' = 1$
Q $Q' = 1$

$\frac{P'Q - PQ'}{Q^2}$

$y' = \frac{1(x+3) - (x-4)(1)}{(x+3)^2}$

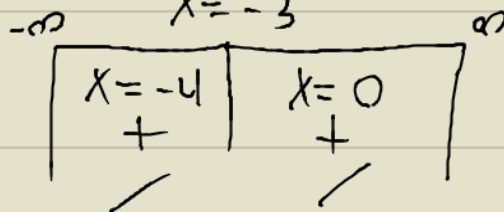
$= \frac{x+3-x+4}{(x+3)^2}$

$= \frac{7}{(x+3)^2}$

$(x+3)^2 = 0$

$x+3 = 0$

$x = -3$



INC $(-\infty, -3)$
INC $(-3, \infty)$

NO MIN/MAX