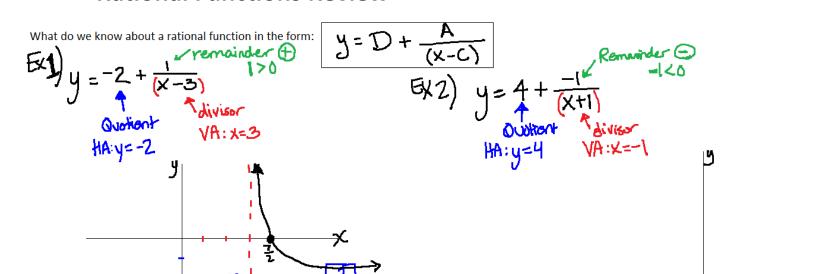
Rational Functions Review



Re-write
$$y = D + \frac{A}{(x-C)}$$
 as a single fraction with a common denominator. $y = \frac{?}{(x-C)}$

Ex1) $y = -2 + \frac{1}{(x-3)}$

$$y = -2(x-3) + 1$$

$$y = -2(x-$$

Given the rational equations, use synthetic division to re-write as: Quotient + Remainder Divisor $y = D + \frac{A}{(divisor)}$

EXI)
$$y = \frac{-2x+7}{(x-3)}$$

coesticents

the numerator

addivisor $3 = -2$

Quotient

 $y = -2x+7 = -2 + +1$

$$(5,2)$$
 $y = \frac{4x+3}{x+1}$