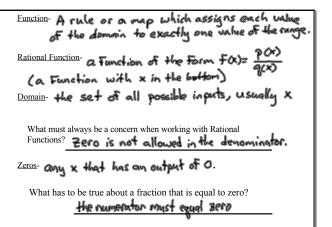
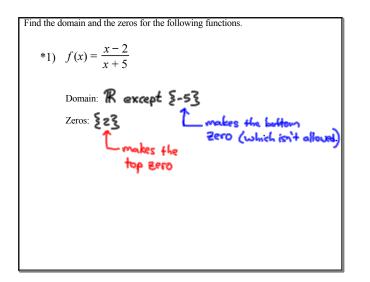
## Algebra II 5-4 Domain and Zeros of Rational Functions

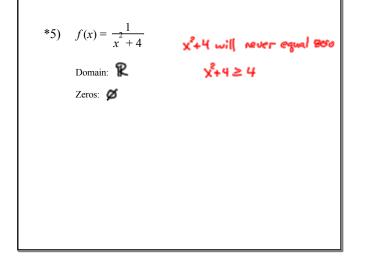




\*2) 
$$f(x) = \frac{1}{x^2 - 5x - 6} = \frac{1}{(x + 1)(x - 6)}$$
  
Domain: Recept  $\xi - 1.63$   
Zeros: Ø  
there's no way for 1 to equal 0

\*3) 
$$f(x) = x^{2} - x - 12 = (x - 4) (x + 3)$$
  
Domain: **R** (no bottom, no except)  
Zeros: **£4,-3**

\*4) 
$$f(x) = \frac{x^2 - 2x - 15}{x - 5} = (x + 3) (x + 3)$$
  
Domain: **Rexcept § 53**  
Zeros: **§ -33**



Assignment: Pg. 228 Oral: 7-15 all, Written: 21-28 all