

Monday, August 22, 2016 - Late Start

- P7 notes continued
- Name Activity
- HW: finish/fix P7 Day 1 HW or do MML P7 Day 1 HW

**Quiz on Chapter P moved to Wednesday!!!**

IT'S MONDAY  
Don't FORGET  
**TO BE AWESOME.**

[www.dimarcomath.weebly.com](http://www.dimarcomath.weebly.com)

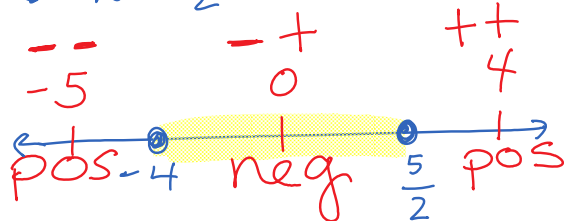
## P7 - Solving Inequalities

①  $2x^2 + 3x \leq 20$

$$2x^2 + 3x - 20 \leq 0$$

$$(2x - 5)(x + 4) \leq 0$$

zeros:  $x = \frac{5}{2}, -4$



Solve like =  
Factor or Quad formula  
to solve

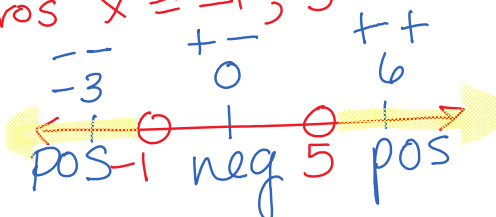
need negative and zeros

$$\boxed{[-4, \frac{5}{2}]}$$

②  $x^2 - 4x - 5 > 0$

$$(x + 1)(x - 5) > 0$$

zeros  $x = -1, 5$



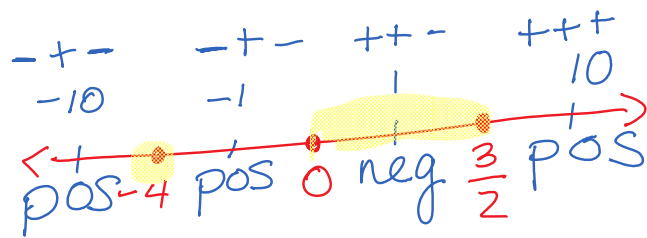
only positives  
 $(-\infty, -1) \cup (5, \infty)$

③  $x(x+4)^2(2x-3) \leq 0$

$$\textcircled{3} \quad x(x+4)^2(2x-3) \leq 0$$

zeros:  $x=0, -4, \frac{3}{2}$

neg and zero



$$[-4] \cup [0, \frac{3}{2}]$$