## Announcements!

- → SKILLS TEST! (Tomorrow!)

  two points → Write an equation

  → Unit test (ch.415) thursday, 10/23
- Work sample assessment Tuesday, 10/21 (no need to study if you've been keeping up)
- -> You need to have taken and passed Skills Tests 11 & 2 by Friday, 10/24

Identifying parallel and perpendicher lines from an equation:

Two lines that are parallel

Will have the same slope

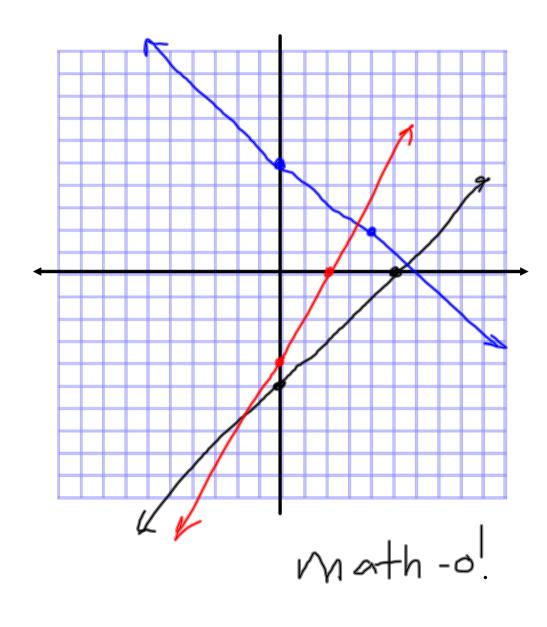
$$y = 3x + 2$$
 $y = 3x + 4.78126$ 

PARALLEL

 $y = \frac{1}{2}x + 5 - \text{Nrite an eq. for a}$ 
 $y = \frac{1}{2}x + 6$ 

- Two lines that are perpendicular Will have slopes that are negative reciprocals  $y = -\frac{4}{3} \times + 6$   $y = \frac{3}{4} \times + 11$   $(-\frac{4}{3} \text{ is the magative})$ reciprocal of 3/  $y = -2x + 4 \rightarrow \text{Write the eq. of a}$ line that is perp.

 $y = \frac{1}{2} \times +4$ 



$$(2,7) \quad (4,6)$$

$$M=\frac{2}{3} \quad (3,-3)$$

$$M=1 \quad (5,1)$$

$$M=-\frac{2}{3} \quad (2,7)$$

$$M=-\frac{2}{3} \quad (1,1)$$

$$M=-\frac{2}{3} \quad (1,1)$$

$$M=-\frac{2}{3} \quad (-5,1)$$

Homework - complete "slope leg." worksheet don't graph

