Today's Plan:

Learning Target (standard): I will review for the semester exam.

Students will: Complete practice problems over previous concepts at the boards and study for my exam.

Teacher will: Provide practice problems over previous concepts, check homework problems for accuarcy and provide students feedback, describe and provide examples of exam problems.

Assessment: Board work

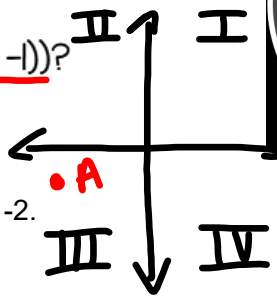
Differentiation: Students will work at the board, actively engage in practice review concepts with the aid of other students and the teacher.

NAME _____

BELL RINGER

1.) In which quadrant is A(-5, -1)?

Q III



2.) Evaluate $x^2 - 6x + 5$ when x = -2.

$(-2)^2 - 6(-2) + 5$

$4 + 12 + 5$

$16 + 5$

21

3.) Solve $\frac{x}{2} - 8 = 12$.

2

$x - 16 = 24$

$x = 40$

Semester Grade: www.math4tigers.org

$.40Q_1 + .40Q_2 + .20exam = semester$

$.4(90) + .4(80) + .2x = 89.5$

$36 + 32 + .2x = 89.5$

$68 + .2x = 89.5$

$.2x = 21.5$

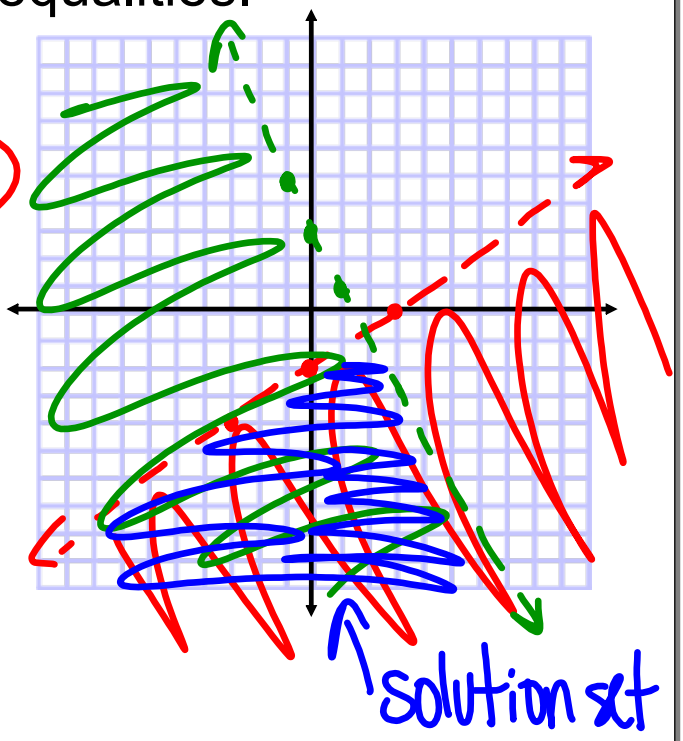
$x = 107.5$

89.5
79.5
69.5

Solve the system of inequalities.

① $y < \frac{2}{3}x - 2$ $m = \frac{2}{3}$ $I_y: (0, -2)$

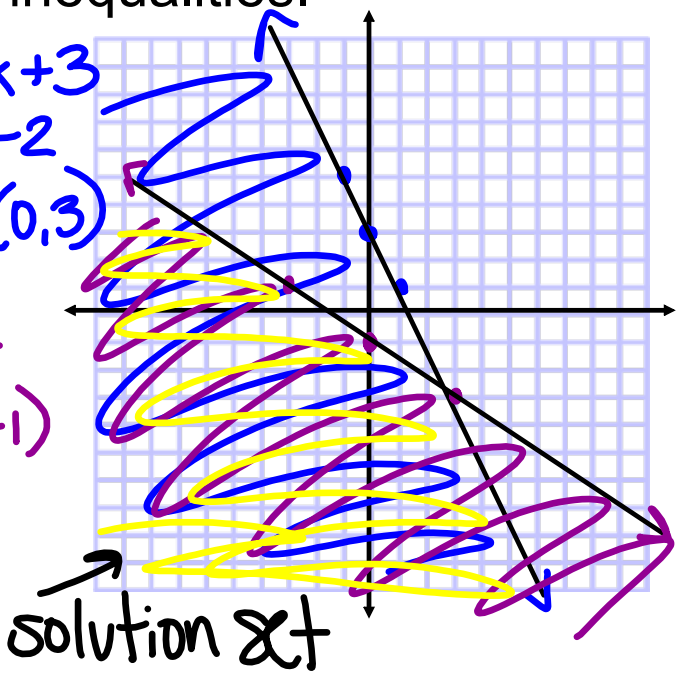
② $y < -2x + 3$ $m = -2$ $I_y: (0, 3)$



Solve the system of inequalities.

① $2x + y \leq 3$ $y \leq -2x+3$ $m=-2$ $I_y: (0,3)$

② $2x + 3y \leq -3$ $3y \leq -2x-3$ $y \leq -\frac{2}{3}x-1$ $m=-\frac{2}{3}$ $I_y: (0,-1)$



Write each as an algebraic expression.

1) p squared

p^2

2) 16 decreased by 12

$16-12$

Write each as a verbal expression.

3) $9+n$

- nine increased by a number n
- the sum of nine and a number n

4) $10-5$

- ten decreased by five
- the difference of ten and five

Evaluate each expression.

5) $(-2)+(-5)+(-8)$

$-2-5-8$

$-7-8$

-15

6) $5-7-6$

$-2-6$

-8

7) $(-1)-8+8+(-8)$

$-1-8+8-8$

$-9+8$

$-1-8$

-9

8) $(-8)+(-2)-(-3)+6$

$-8-2+3+6$

$-10+3$

$-7+6$

-1

Solve each equation.

$3\left[\frac{7+m}{3}=6\right]$

$7+m=18$

$-7 \quad -7$

$m=11$

10) $-9=9+9a$

$-9 \quad -9$

$\frac{-18}{9}=\frac{9a}{9}$

$a=-2$

11) $8-3p=-8p+8-6p$

$8-3p=-14p+8$

$8+11p=8$

$11p=0$

$p=0$

12) $-8(4r-5)=296$

$-32r+40=296$

$-32r=256$

$r=-8$

13) $20+7b=-8b-8(2-3b)$

$20+7b=-8b-16+24b$

$20+7b=16b-16$

$20=9b-16$

$36=9b$

$b=4$

$36 \neq 9$

no solution

14) $-7(-5x+7)=-10-4x$

$35x-49=-10-4x$

$39x-39=39$

$39x=39$

identity

$x=1$