Today's Plan:

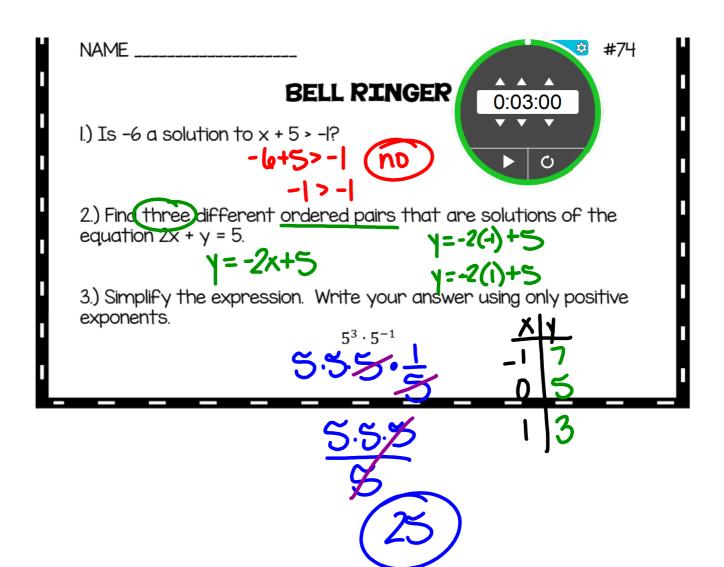
Learning Target (standard): I will review for the semester exam.

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.

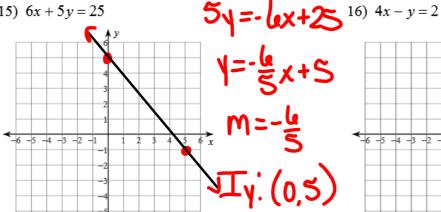
Assessment: Board work

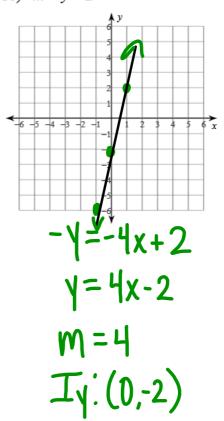
Differentiation: Students will work at the board, actively engage in practice review concepts with the aid of other students and the teacher.



Sketch the graph of each line using the slope-intercept method. Label the slope and y-intercept.

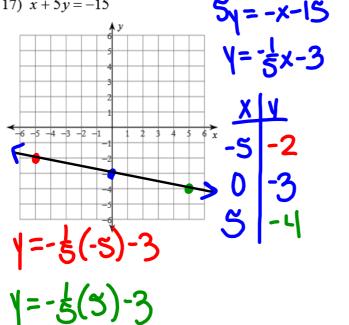
15) 6x + 5y = 25



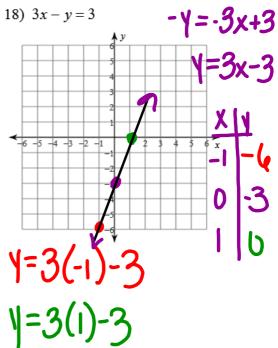


Sketch the graph of each line using a t-chart.

17)
$$x + 5y = -15$$

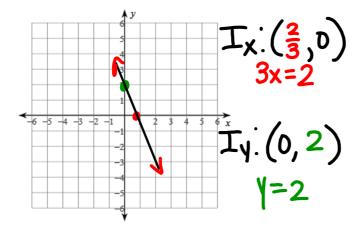


18)
$$3x - y = 3$$

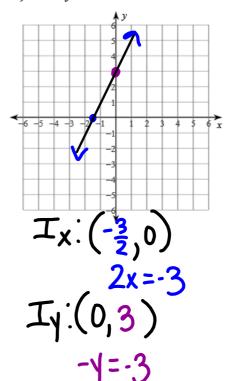


Use the intercept method to graph the equation of the line. Be sure to label each intercept.

19)
$$3x + y = 2$$

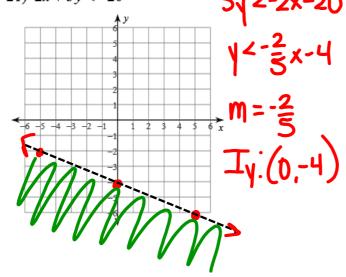


20)
$$2x - y = -3$$

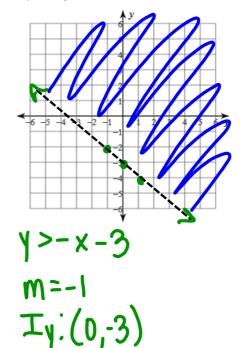


Sketch the graph of each linear inequality.

21)
$$2x + 5y < -20$$



22)
$$x + y > -3$$



Write the slope-intercept form of the equation of the line through the given point with the slope.

Write the slope-intercept form of the equation of the line through the given points.

$$-1, 3)$$
 and $(4, 3)$ 26) through: $(-3, 0)$ and $(5, 1)$

$$M = \frac{Y_2 - Y_1}{X_2 - X_1} = \frac{3 - 3}{4 + 1} = \frac{\Delta y}{\Delta x}$$

$$= \frac{Q}{5}$$

$$M = \frac{\Delta y}{\Delta x} = \frac{1 - D}{5} = \frac{1}{8}$$

$$0 = \frac{1}{8}(-3) + \frac{1}{9}$$

$$0 = -\frac{3}{8} + \frac{1}{9}$$

$$0 = -\frac{3}{8} + \frac{3}{8}$$

$$0 = \frac{3}{8}(-3) + \frac{3}{8}$$

$$0 = -\frac{3}{8} + \frac{3}{8}$$

Write the standard form of the equation of the line described.

27) through:
$$(1, -2)$$
, parallel to $y = -2x - 2$

$$M_{1} = -2 \quad M_{1} = M_{2}$$

$$M_{2} = M_{2}$$

$$M_{3} = -2 \quad M_{4} = M_{2}$$

$$M_{4} = M_{2}$$

$$M_{5} = -2 \quad M_{4} = M_{2}$$

$$M_{1} = -\frac{1}{M_{2}} \quad M_{2} = -\frac{1}{M_{3}}$$

$$M_{1} = -\frac{1}{M_{4}} \quad M_{2} = -\frac{1}{M_{3}}$$

$$M_{2} = M_{3} + b$$

$$-2 = -2(1) + b \quad Y = -2x$$

$$-3 = -2(1) + b$$

$$-4 = -2$$