

Today's Plan:

Learning Target (standard): I will review linear equations and linear inequalities and describe their solution sets.

Students will: Complete practice problems over previous concepts at the boards, put up homework problems on the board and make necessary corrections to their own work, and complete test problems.

Teacher will: Provide practice problems over previous concepts, check homework problems for accuracy and provide students feedback, describe and provide test problems.

Assessment: Board work, homework check and test

Differentiation: Students will work at the board, go over and correct homework at their seats, and actively engage in test problems.

p.310 #1-18,20

Go over your graphs with someone at your table!

1) $x = -2$

2) $(-6, -6)$

3) $m = \frac{2}{3}$

4) $m = 0$

5) $y = -\frac{3}{2}x - 1$

6) $y = -\frac{4}{3}x - 3$

7) $y = -\frac{5}{6}x + \frac{4}{3}$

8) $y = -\frac{1}{4}x + \frac{7}{4}$

9) $y = 3$

10) $y = -\frac{3}{2}x + \frac{7}{2}$

11) $y = -2x - 4$

12) $y = -3$

13) $y = \frac{3}{2}x - \frac{19}{2}$



Graph.

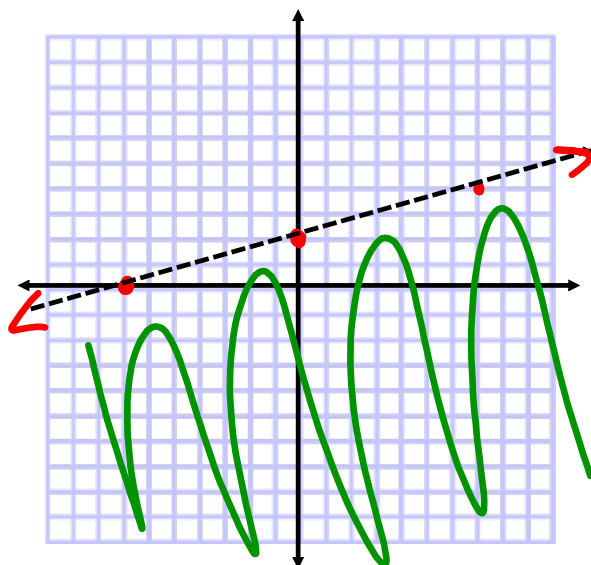
$$2x - 7y > -14$$

$$-7y > -2x - 14$$

$$y < \frac{2}{7}x + 2$$

$$m = \frac{2}{7}$$

$$I_y: (0, 2)$$



Write the equation for the line with the given.

$$P(-1, 2) \parallel -2x + 3y = -6$$

$$m_{\parallel} = \frac{2}{3}$$

$$y = mx + b$$

$$2 = \frac{2}{3}(-1) + b$$

$$2 = -\frac{2}{3} + b$$

$$b = \frac{8}{3}$$

$$3y = 2x - 6$$

$$y = \frac{2}{3}x - 2$$

$$m = \frac{2}{3}$$

$$y = \frac{2}{3}x + \frac{8}{3}$$