

# 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!

$$1)x = -2$$

$$2)(-6, -6)$$

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

$$4)m = 0$$

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

$$3x + 2y = -2$$

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

$$4x + 3y = -9$$

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

$$5x + 6y = 8$$

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

$$x + 4y = 7$$

$$9)y = 3$$

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

$$3x + 2y = 7$$

$$11)y = -2x - 4$$

$$2x + y = -4$$

$$12)y = -3$$

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

$$3x - 2y = 19$$



Graph.

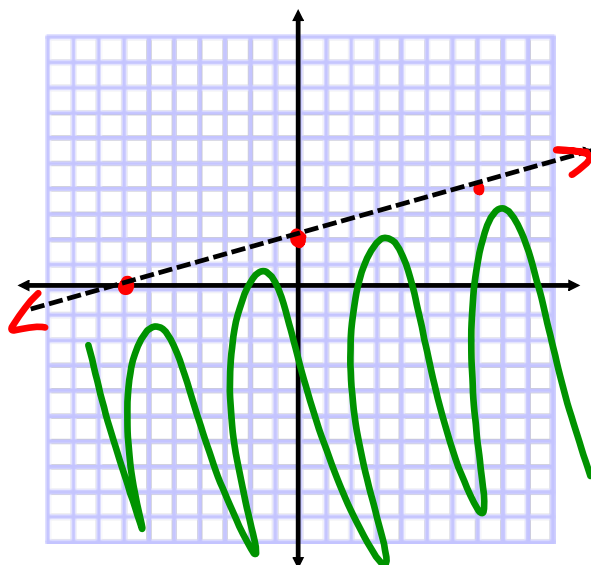
$$2x - 7y > -14$$

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

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

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

$$I_y: (0, 2)$$



Write the equation for the line with the given.

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

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

$$3y = 2x - 6$$

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

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

$$y = mx + b$$

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

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

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

$$y = \frac{2}{3}x + \frac{8}{3} \quad \text{slope-intercept}$$

$$-3 \left[ -\frac{2}{3}x + y = \frac{8}{3} \right]$$

$$2x - 3y = -8$$

Standard