

# Solving Systems of Inequalities

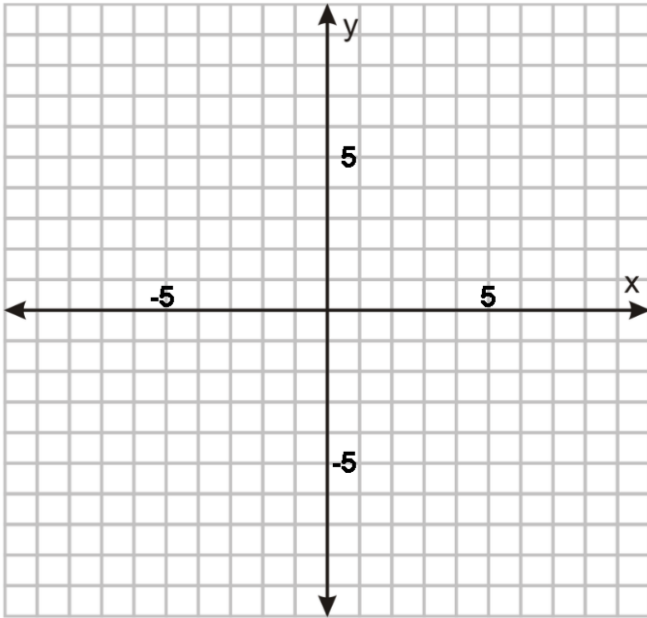
Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

Graph the Inequalities Using both Slope Intercept Form ( $y = mx + b$ ) and Standard Form ( $Ax + By = C$ )

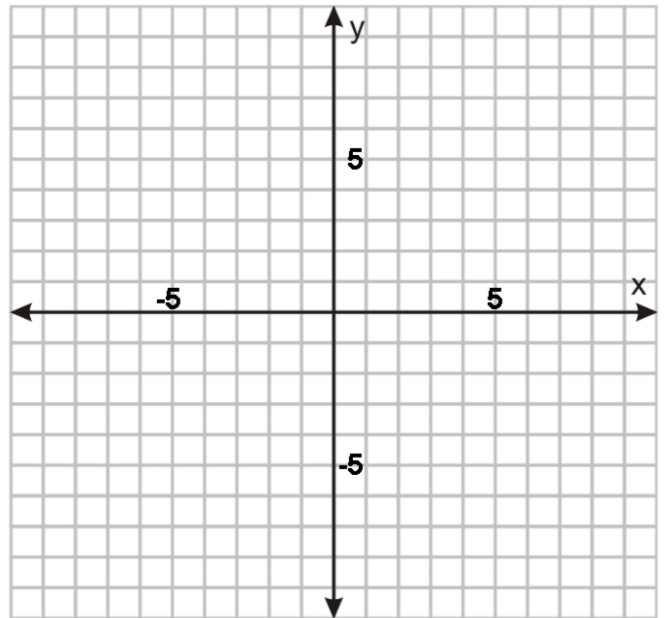
1.

$$y \leq -x - 2$$
$$y \geq -5x + 2$$



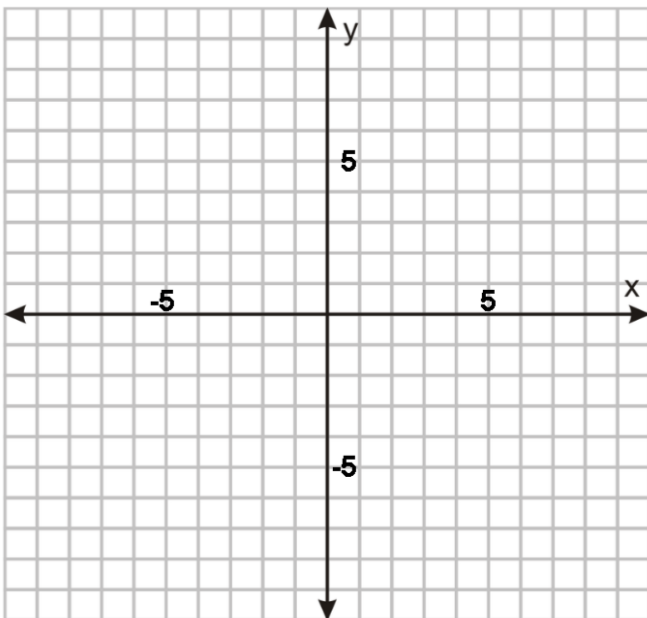
2.

$$y \leq \frac{1}{2}x + 2$$
$$y < -2x - 3$$



3.

$$y \leq -\frac{5}{2}x - 2$$
$$y < -\frac{1}{2}x + 2$$



4.

$$3x + 2y \geq -2$$
$$x + 2y \leq 2$$

