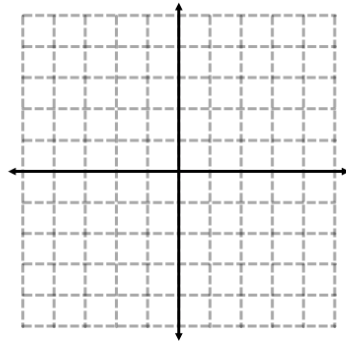
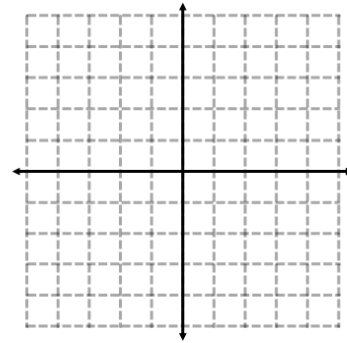


Do Now:

1. Graph $y \leq 2x + 1$

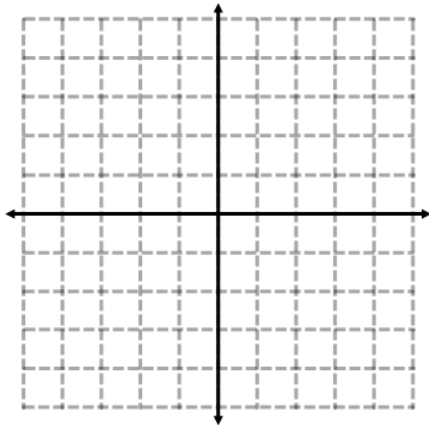


2. Graph $y > -3x - 2$

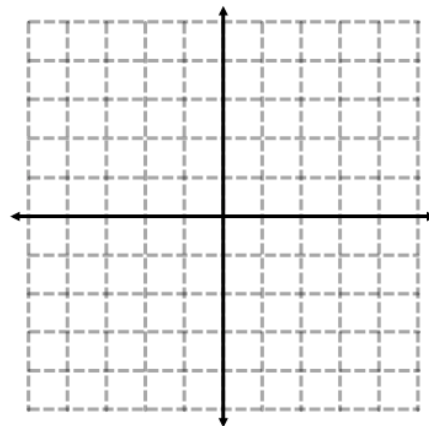


3. Graph the following systems of inequalities on the accompanying set of axes and label the solution set S :

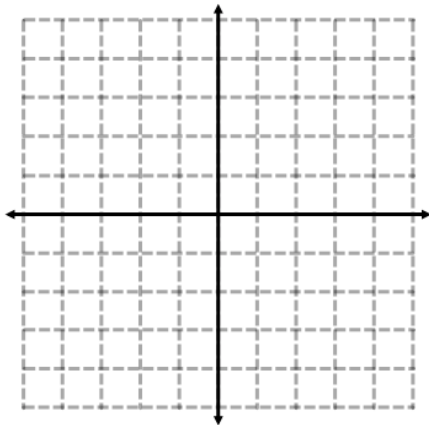
a.
$$\begin{cases} y \leq 2x + 1 \\ y > -3x - 2 \end{cases}$$



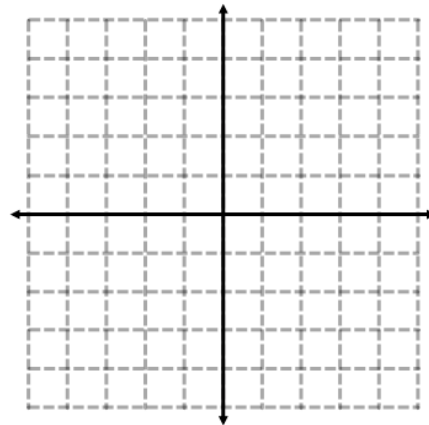
b.
$$\begin{cases} y \leq \frac{2}{3}x \\ y \geq -x - 5 \end{cases}$$



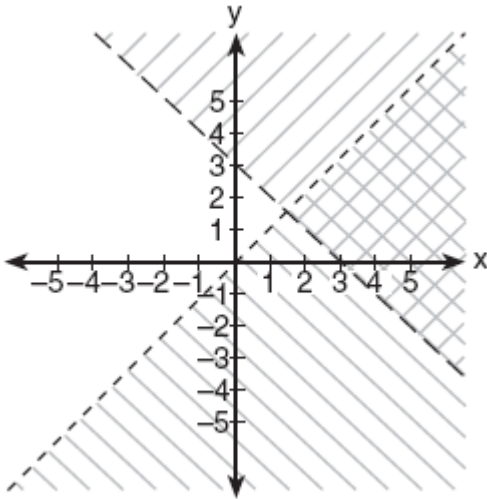
c.
$$\begin{cases} y \geq x \\ y > 3 \end{cases}$$



d.
$$\begin{cases} x < 4 \\ y > 3 \end{cases}$$

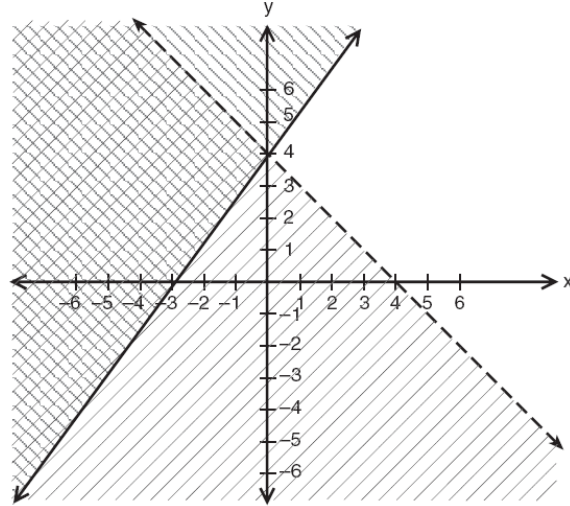


4. Which ordered pair is in the solution set of the system of inequalities shown in the accompanying graph?



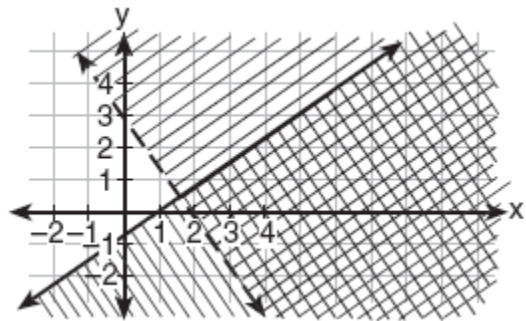
- (1) (0,0) (3) (1,5)
 (2) (0,1) (4) (3,2)

5. Which point is in the solution set of the system of inequalities shown in the accompanying graph?



- (1) (0,4) (3) (-4,1)
 (2) (2,4) (4) (4, -1)

6. Which coordinate point is in the solution set for the system of inequalities shown in the accompanying graph?



- (1) (3,1) (3) (1,-1)
 (2) (2,2) (4) (0,1)

7. Graph the following system of inequalities on the accompanying set of axes and label the solution set S:

$$y > x - 4$$

$$y + x \geq 2$$

