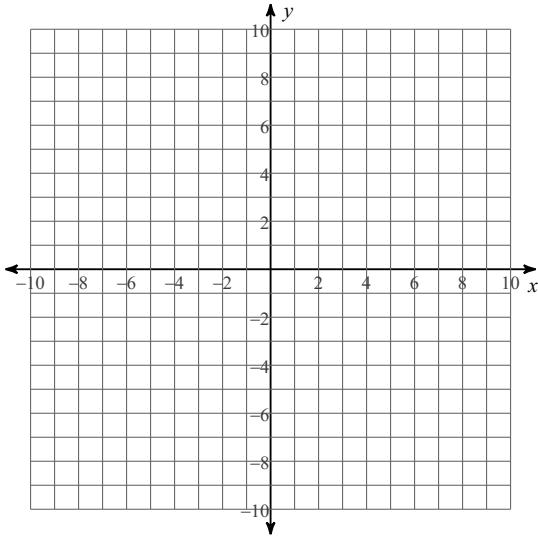


13.3 Assignment

Solve each system by graphing.

$$1) \begin{cases} y + 9 = 0 \\ -3y = -8x + 3 \end{cases}$$

**Solve each system by substitution.**

$$2) \begin{cases} -18x - 3y = 45 \\ 6x + y = -15 \end{cases}$$

$$3) \begin{cases} 6x + y = -20 \\ 7x - 5y = -11 \end{cases}$$

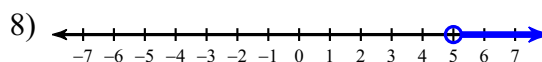
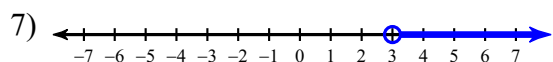
Solve each system by elimination.

$$4) \begin{cases} -7x - 6y = -30 \\ 4x + 12y = 0 \end{cases}$$

$$5) \begin{cases} -2x - y = -1 \\ -x + 3y = -11 \end{cases}$$

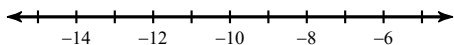
- 6) Stefan and Ted each improved their yards by planting daylilies and geraniums. They bought their supplies from the same store. Stefan spent \$62 on 10 daylilies and 7 geraniums. Ted spent \$64 on 5 daylilies and 9 geraniums. Find the cost of one daylily and the cost of one geranium.

Write an inequality for each graph.

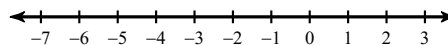


Solve each inequality and graph its solution.

9) $-202 < 2 + 6(4a - 2)$



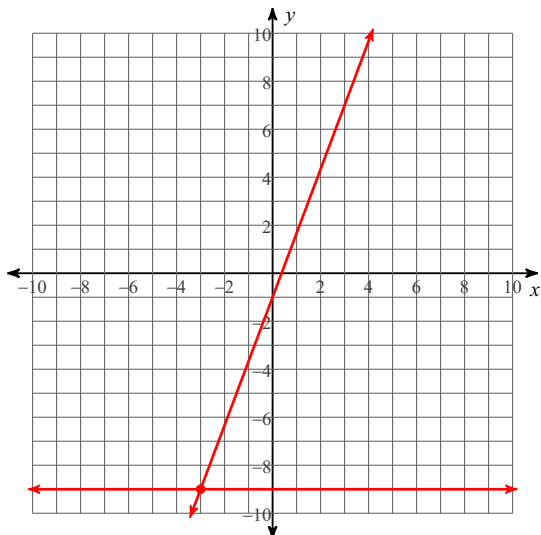
10) $-112 > 8(6 + 4b)$



13.3 Assignment

Solve each system by graphing.

$$\begin{aligned} 1) \quad & y + 9 = 0 \\ & -3y = -8x + 3 \end{aligned}$$

 $(-3, -9)$ **Solve each system by substitution.**

$$\begin{aligned} 2) \quad & -18x - 3y = 45 \\ & 6x + y = -15 \end{aligned}$$

Infinite number of solutions

$$\begin{aligned} 3) \quad & 6x + y = -20 \\ & 7x - 5y = -11 \end{aligned}$$

 $(-3, -2)$ **Solve each system by elimination.**

$$\begin{aligned} 4) \quad & -7x - 6y = -30 \\ & 4x + 12y = 0 \end{aligned}$$

 $(6, -2)$

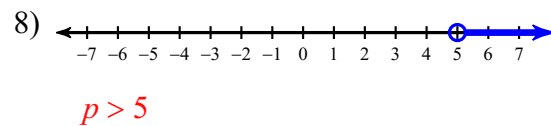
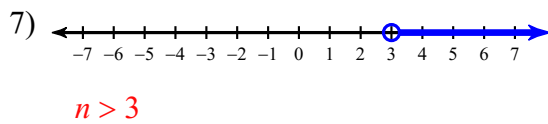
$$\begin{aligned} 5) \quad & -2x - y = -1 \\ & -x + 3y = -11 \end{aligned}$$

 $(2, -3)$

- 6) Stefan and Ted each improved their yards by planting daylilies and geraniums. They bought their supplies from the same store. Stefan spent \$62 on 10 daylilies and 7 geraniums. Ted spent \$64 on 5 daylilies and 9 geraniums. Find the cost of one daylily and the cost of one geranium.

daylily: \$2, geranium: \$6

Write an inequality for each graph.



Solve each inequality and graph its solution.

