

Lines: Lesson 8

Linear Inequalities: Worksheet 1

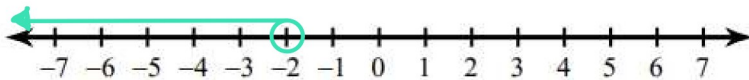
Answer Key!

MATH 4 ALL

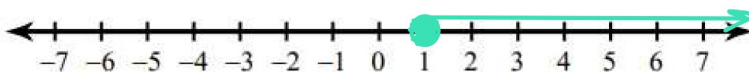
Name: _____

Graph:

$$x < -2$$

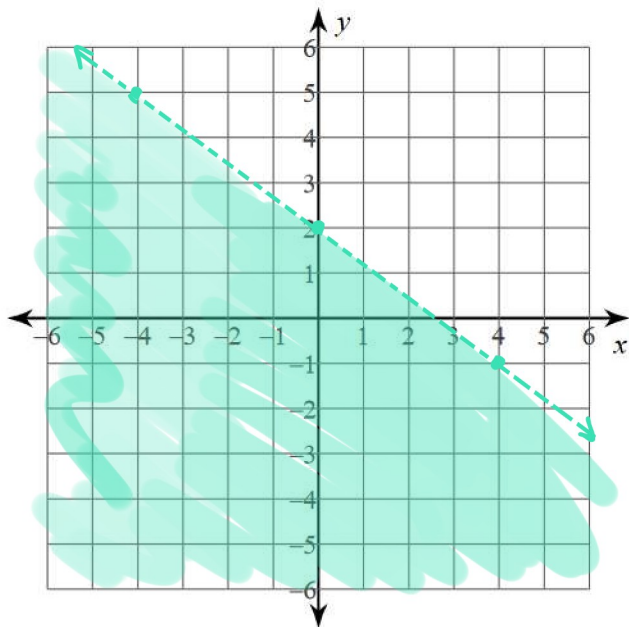


$$x \geq 1$$

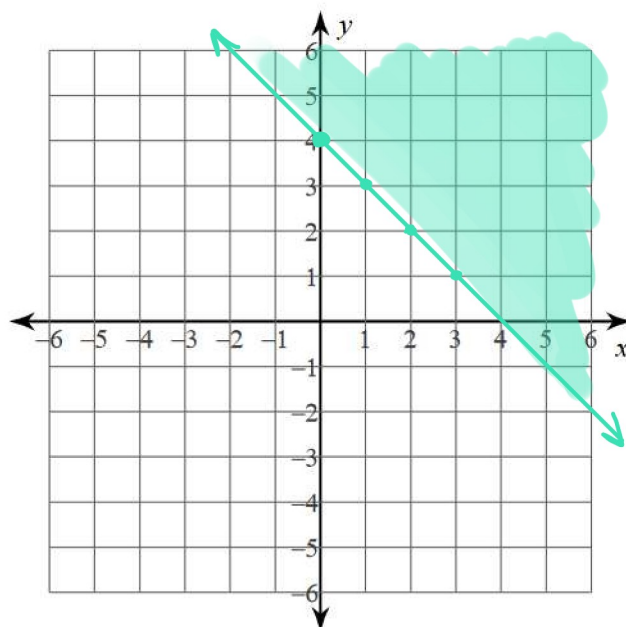


Graph:

$$y < \frac{-3}{4}x + 2$$

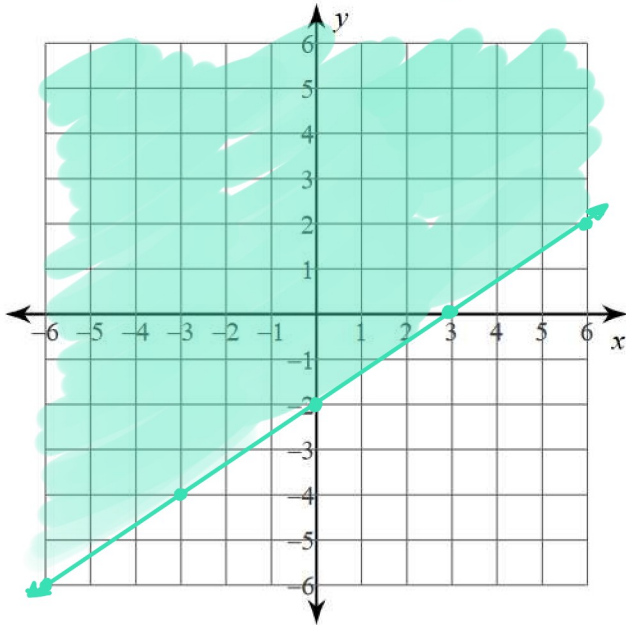


$$y \geq -x + 4$$



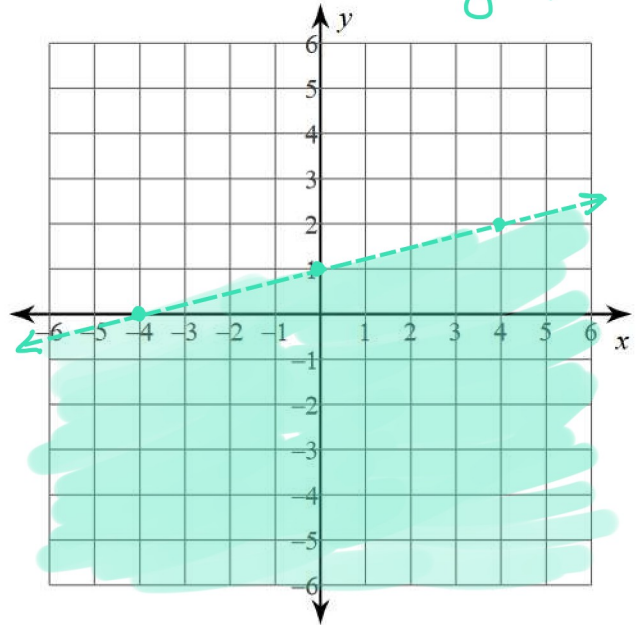
$$2x - 3y \geq 6$$

$$\begin{aligned} -3y &\geq -2x + 6 \\ \frac{-3y}{-3} &\leq \frac{-2x + 6}{-3} \\ y &\leq \frac{2}{3}x - 2 \end{aligned}$$

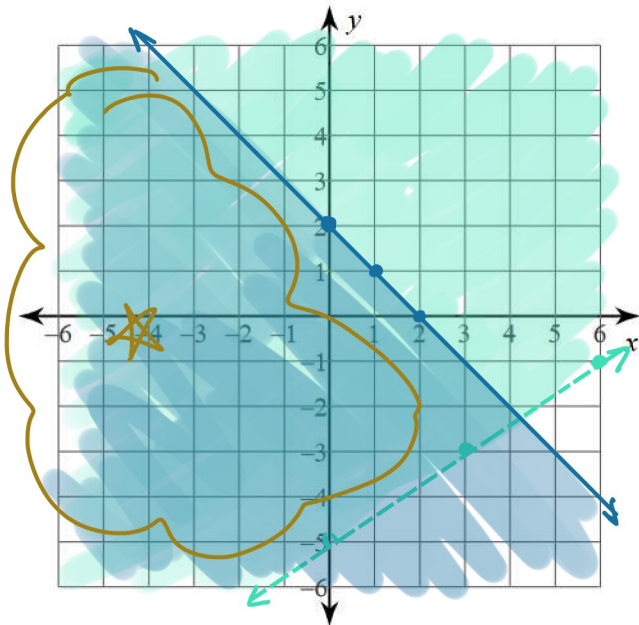


$$-x + 4y < 4$$

$$\begin{aligned} 4y &< x + 4 \\ \frac{4y}{4} &< \frac{x + 4}{4} \\ y &< \frac{1}{4}x + 1 \end{aligned}$$



$$y > \frac{2}{3}x - 5 \text{ and } y \leq -x + 2$$



$$y \geq \frac{1}{2}x - 3 \text{ and } y \geq -3x + 6$$

