

Day 1 - Graphing Linear Inequalities - Practice

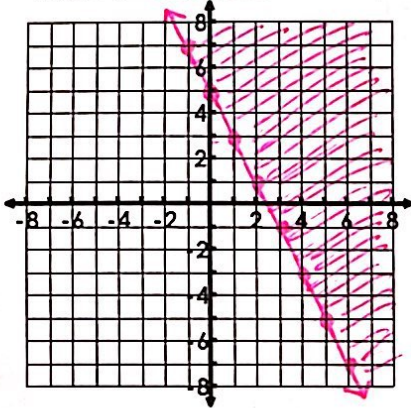
Directions: Graph each inequality.

1. $y \geq -2x + 5$

Type of Line: solid

Slope: -2 Y-int: (0,5)

Shade: above

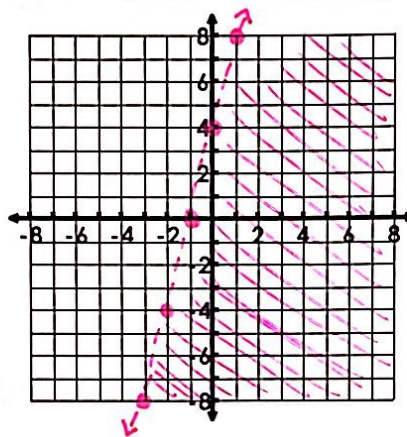


2. $y < 4x + 4$

Type of Line: dashed

Slope: 4 Y-int: (0,4)

Shade: below

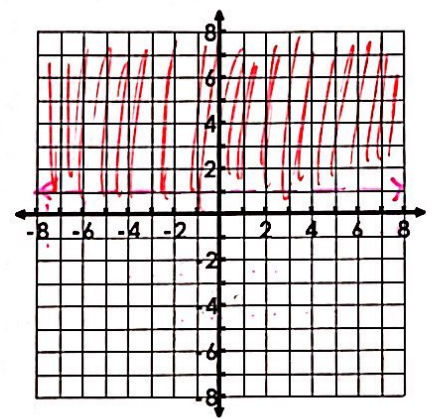


3. $y > 1$

Type of Line: dashed

Slope: 0 Y-int: (0,1)

Shade: above

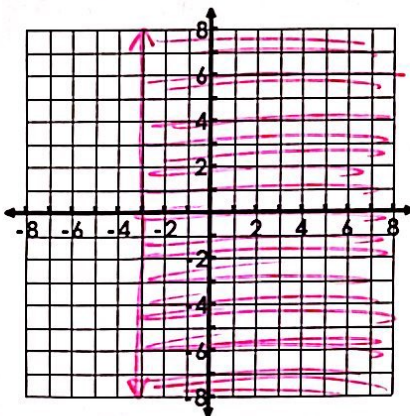


4. $x \geq -3$

Type of Line: solid

Slope: und Y-int: none

Shade: right

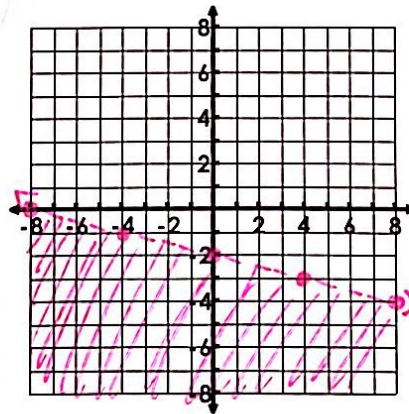


5. $y < -\frac{1}{4}x - 2$

Type of Line: dashed

Slope: -1/4 Y-int: (0,-2)

Shade: below

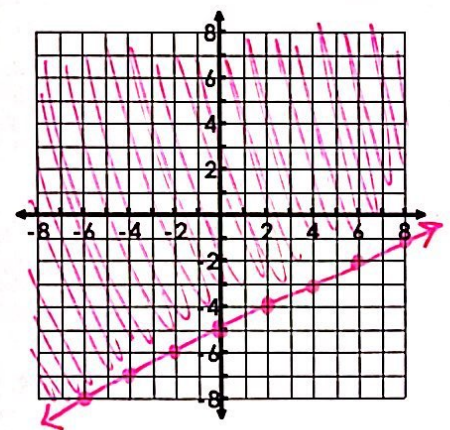


6. $y \geq \frac{1}{2}x - 5$

Type of Line: solid

Slope: 1/2 Y-int: (0,-5)

Shade: above

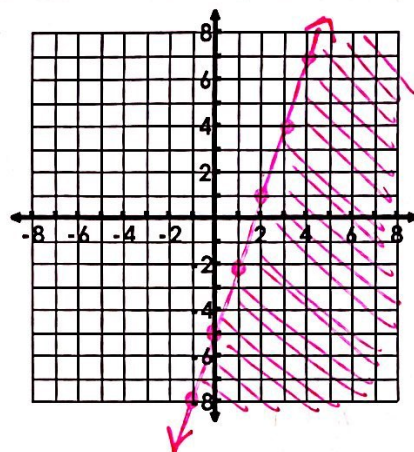


7. $3x - y \geq 5$

$$\begin{array}{r} -3x \\ -3x \end{array}$$

$$\begin{array}{r} +4 \\ -1 \end{array} \geq \frac{-3x+5}{-1} \div \text{by } -$$

$$y \leq 3x - 5$$

Type of Line: SolidSlope: 3 Y-int: (0, -5)Shade: below

8. $x + 2y < -2$

$$\begin{array}{r} -x \\ -x \end{array}$$

$$\frac{2y}{2} < \frac{-x-2}{2}$$

$$y < -\frac{1}{2}x - 1$$

Type of Line: dashedSlope: -1/2 Y-int: (0, -1)Shade: below