

Linear Inequalities

Is the ordered pair a solution of $y < x - 2$?

a) $(1, 5)$

$$y < x - 2$$

$$5 < 1 - 2$$

$$5 < -1 \quad \times$$

Not a Solution

b) $(6, -2)$

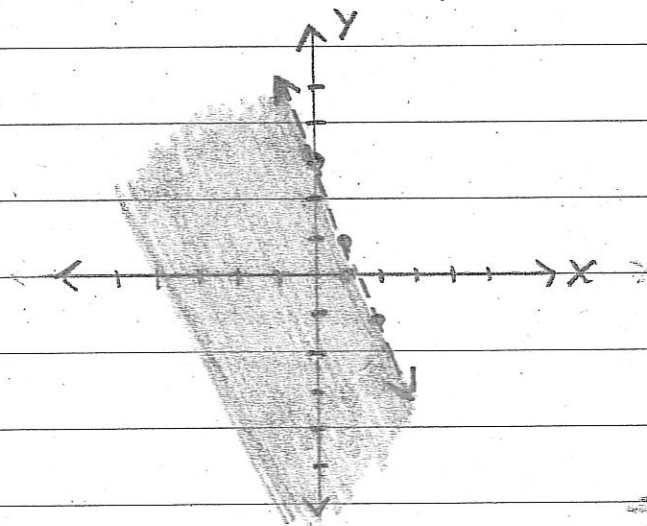
$$y < x - 2$$

$$-2 < 6 - 2$$

$$-2 < 4 \quad \checkmark$$

$(6, -2)$ is a solution

What is the graph of $y < -2x + 3$?



What is the graph of $y \geq 2$?

