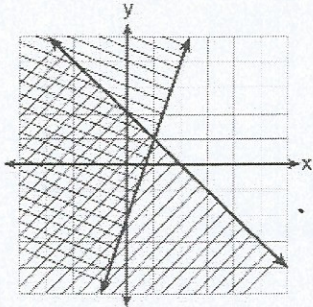


5. For the system of inequalities graphed below, is the point (1,1) a solution? Why or why not?

yes! 1,1 is on two solid lines



6. Complete the following algebraic proof.

Statements	Reasons
$\frac{3(4x + 2)}{2} = 5x - 12$	Given
$3(4x + 2) = 10x - 24$	multiplication prop = $(\times 2)$
$12x + 6 = 10x - 24$	distributive prop
$2x + 6 = -24$	subtraction prop = $(-10x)$
$2x = -30$	subtraction prop = (-6)
$x = -15$	division prop = $(\div 2)$

7. Graph the system of inequalities $\begin{cases} y \leq 2x - 6 \\ y > 3 \end{cases}$ *Highlight the solution(s) to the system.

