

# 6.3 Why Did They Try To Build A House On Orgo's Head?

Solve any inequality below and draw a straight line connecting it to the inequality that describes the solution set. The line will cross a number and a letter. The number tells you where to put the letter in the boxes at the bottom of the page. Keep working and you will discover the answer to the title question.

*Use a Ruler!*

① $3x + 8 > 2$	<input type="checkbox"/>	■ $x \geq -21$
② $7x - 1 < 20$	<input type="checkbox"/>	■ $x > 5$
③ $8 - 4x > -12$	<input type="checkbox"/>	■ $x > -2$
④ $-5x - 9 \geq -4$	<input type="checkbox"/>	■ $x > -4$
⑤ $63 + 12x < 15$	<input type="checkbox"/>	■ $x \leq 7$
⑥ $-8x + 25 \leq -31$	<input type="checkbox"/>	■ $x < 3$
⑦ $-10 + 2x \geq -52$	<input type="checkbox"/>	■ $x \leq -1$
⑧ $15 > 6x - 9$	<input type="checkbox"/>	■ $x < 14$
⑨ $48 < 20 - 14x$	<input type="checkbox"/>	■ $x \geq 7$
⑩ $-60 \geq 9x + 3$	<input type="checkbox"/>	■ $x \leq -7$
⑪ $18 - 10x < -22$	<input type="checkbox"/>	■ $x > -9$
⑫ $7 < 3x - 8$	<input type="checkbox"/>	■ $x < 5$
⑬ $-12x - 8 \leq 64$	<input type="checkbox"/>	■ $x < 4$
⑭ $-17 > -7x - 45$	<input type="checkbox"/>	■ $x > 4$
⑮ $3x - 42 < 0$	<input type="checkbox"/>	■ $x \geq -11$
⑯ $44 \geq -8x - 44$	<input type="checkbox"/>	■ $x \geq -6$
⑰ $4x + 12 > -24$	<input type="checkbox"/>	■ $x < -4$
⑱ $-17 \leq -6x + 25$	<input type="checkbox"/>	■ $x < -2$

C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
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