Name _____   Date _____

Year Group _____

Solve for the absolute value inequality

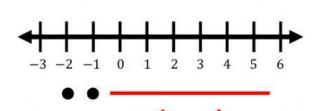1. $3 * |x - 2| + 4 < 13$

Step 1 => $3 * |x - 2| <$ _____

Step 2 => $|x - 2| <$ _____

Step 3 => $x <$ _____   _____ $x >$ _____

Should we combine these two inequalities to make one compound inequality? _____

Please fill in the correct compound inequality while leaving the other blank.

_____ $< x <$ _____   _____ $< x$ or   _____ $< x$

Graph for the absolute value inequality on a number.

Please drag the correct pieces on the number line to graph.
Put the red lines on top of the tick marks.

Extra Circles

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Extra lines

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Solve for the absolute value inequality

  2. $6 + 4 * |x + 3| \geq 14$

Step 1 => $4 * |x + 3| \geq$ _____

Step 2 => $|x + 3| \geq$ _____

Step 3 => $x \geq$ _____   _____ $x \leq$ _____

Should we combine these two inequalities to make one compound inequality? _____

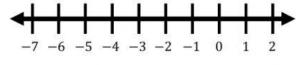Please fill in the correct compound inequality while leaving the other blank.

_____ $\leq x \leq$ _____ $x \leq$ _____   or   _____ $\leq x$

Graph for the absolute value inequality on a number line.

Please drag the correct pieces on the number line to graph.
Put the red lines on top of the tick marks.

Extra Circles

Extra lines