

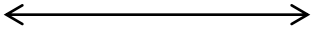
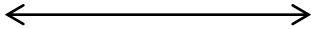
Solve Absolute Value Inequalities

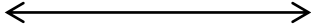
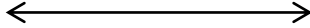
GREATER THAN: _____

LESS THAN: _____

Solve and graph. Write your answers in interval notation.

1) $|3x + 6| \geq 12$  2) $|2x - 3| > 7$ 

3) $3|2x + 6| - 9 < 15$  4) $-2|x + 1| + 5 \geq -3$ 

5) $|2x + 1| < -1$  6) $|5x + 3| > 0$ 

Homework: Solve and graph. Write answers in interval notation.

1) $2|x - 5| \leq 14$ \longleftrightarrow

2) $|3x + 2| + 7 > 11$ \longleftrightarrow

3) $5|5x + 1| - 3 < 7$ \longleftrightarrow

4) $|2 - 3w| \geq 4$ \longleftrightarrow

5) $-3|7m - 8| < 5$ \longleftrightarrow

6) $|2u| > 6$ \longleftrightarrow

7) $|3x - 2| \leq -7$ \longleftrightarrow