

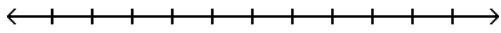
Inequalities 2

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Solve and graph. Write the solution set in set-builder and interval notation.

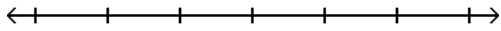
1) $-2x < -\frac{1}{7}$

1) _____



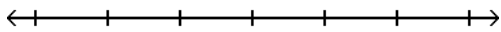
2) $-4 > \frac{x}{-2}$

2) _____



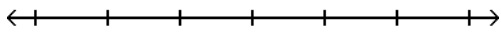
3) $\frac{b}{-7} < 4$

3) _____



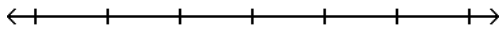
4) $-3 < \frac{a}{4}$

4) _____



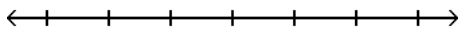
5) $\frac{x}{2} \geq 2$

5) _____



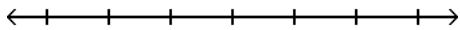
6) $-10x - 11 > -11x - 18$

6) _____



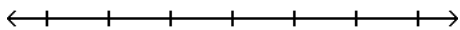
7) $4z + 7 \leq 3z + 9$

7) _____

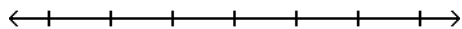


8) $11a + 12 \geq 10a + 8$

8) _____

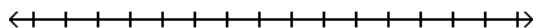


9) $-9 - 5y + 3 \geq -6y + 1$



9) _____

10) $0.6x + 11 + x > 2x + 14 - 0.5x$

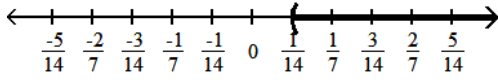


10) _____

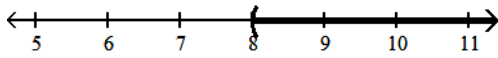
Answer Key

Testname: SOLVING INEQUALITIES 2

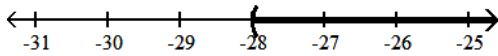
1) $\left\{x \mid x > \frac{1}{14}\right\}; \left(\frac{1}{14}, \infty\right)$



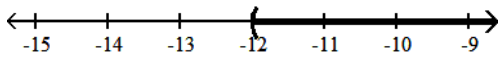
2) $\{x \mid x > 8\}; (8, \infty)$



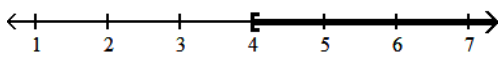
3) $\{b \mid b > -28\}; (-28, \infty)$



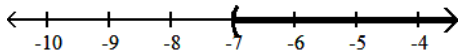
4) $\{a \mid a > -12\}; (-12, \infty)$



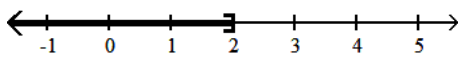
5) $\{x \mid x \geq 4\}; [4, \infty)$



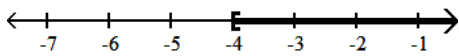
6) $\{x \mid x > -7\}; (-7, \infty)$



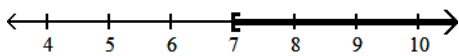
7) $\{z \mid z \leq 2\}; (-\infty, 2]$



8) $\{a \mid a \geq -4\}; [-4, \infty)$



9) $\{y \mid y \geq 7\}; [7, \infty)$



10) $\{x \mid x > 30\}; (30, \infty)$

