

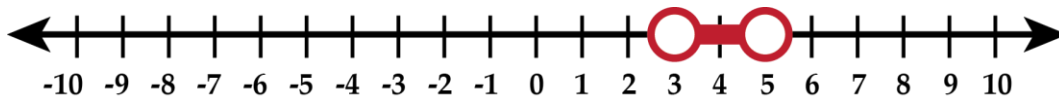
0.5 WORKSHEET - Solving Absolute Value Inequalities



Name: _____ Hour: _____ Date: _____

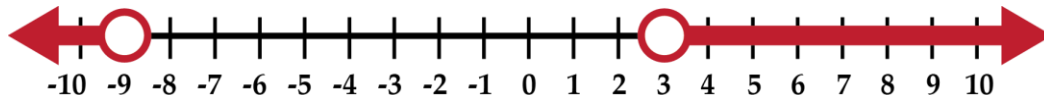
DIRECTIONS: Solve each absolute value inequality, and then graph it. (0.5.A)

1) $|x - 4| < 1$



$$3 < x < 5$$

2) $|x + 3| > 6$



$$x < -9 \text{ or } x > 3$$

3) $|2x + 1| \leq 13$



$$-7 \leq x \leq 6$$

4) $|-4x + 2| < 14$



$$-3 < x < 4$$

5) $|2x - 11| \geq 5$



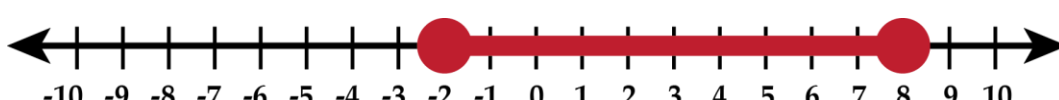
$$x \leq 3 \text{ or } x \geq 8$$

6) $|-3x + 21| > 9$



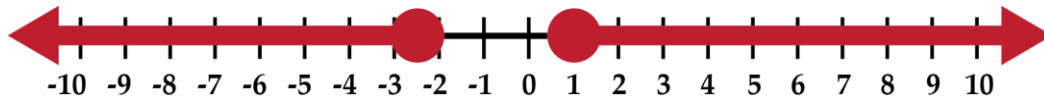
$$x < 4 \text{ or } x > 10$$

7) $|9 - 3x| \leq 15$



$$-2 \leq x \leq 8$$

8) $|6 + 8x| \geq 14$



$$x \leq -5/2 \text{ or } x \geq 1$$