

Name _____

4-9A Lesson Master

Questions on SPUR Objectives
See pages 245–249 for objectives.

SKILLS Objective E

1. Let $y = |x + 3|$. Find all solutions when:

- a. $y = 0$ a. _____
- b. $y = 1$ b. _____
- c. $y = -1$ c. _____
- d. $y = 4$ d. _____

2. Let $t = |3r + 4| + 1$. Find all solutions when:

- a. $t = 0$ a. _____
- b. $t = 1$ b. _____
- c. $t = 4$ c. _____
- d. $t = -1$ d. _____

In 3–6, solve and graph the solution on a number line.

3. $|x - 1| + 1 < 5$



4. $2(|x + 2|) < 4$



5. $|3x - 1| \geq 2$



6. $|\frac{x}{2} + 3| \geq 2$



REPRESENTATIONS Objective N

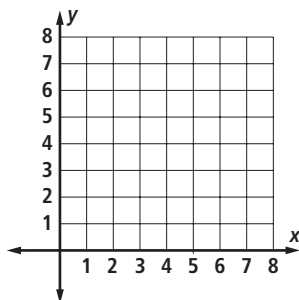
7. *Fill in the Blanks.* $|x + 9| = 7.6$ means the distance between ? and ? on a number line is ?.

In 8–10, graph $y = |x - 4|$ below, and use the graph to solve the sentence.

8. $|x - 4| = 2$ _____

9. $|x - 4| < 2$ _____

10. $|x - 4| \geq 2$ _____



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