

NAME \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

# Section 2.3

## ALGEBRA

### Understanding Absolute Values: Practice A

Directions: Simplify each absolute value and circle your answer.

1.  $|5|$

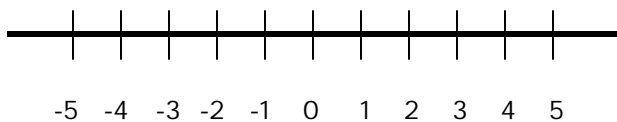
2.  $|-5|$

3.  $|-14|$

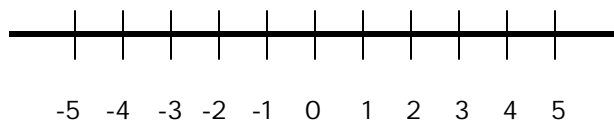
4.  $|21|$

Directions: Graph each absolute value equation on the number line below it.

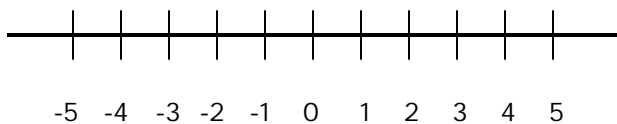
5.  $|x - 1| = 2$



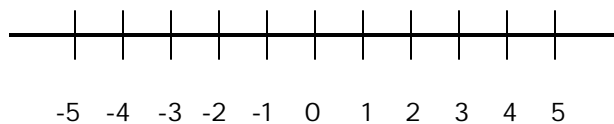
6.  $|x + 2| = 2$



7.  $|x + 1| = 4$



8.  $|x - 2| = 3$



9. Which equation below represents all points exactly 2 units from 3?

A)  $|x-2|=3$

B)  $|x+2|=-3$

C)  $|x-3|=2$

D)  $|x+3|=2$

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10. Which equation below represents all points exactly 5 units from 6?

A)  $|x-6|=-5$

B)  $|x+5|=-6$

C)  $|x-6|=5$

D)  $|x-5|=6$

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11. Which equation below represents all points exactly 10 units from 4?

A)  $|x-10|=4$

B)  $|x+10|=-4$

C)  $|x-4|=10$

D)  $|x+10|=4$

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12. Which equation below represents all points exactly 3 units from 2?

A)  $|x-2|=-3$

B)  $|x-2|=3$

C)  $|x-3|=2$

D)  $|x+3|=2$

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13. Which equation below represents all points exactly 6 units from 3?

A)  $|x-6|=3$

B)  $|x+6|=-3$

C)  $|x-3|=6$

D)  $|x+3|=6$