

**Simplifying Absolute Value Problems**

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

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**Evaluate each expression.**

1)  $|-1 - 2|$

2)  $9 \div (|3|)$

3)  $|1 - 4| \times -2$

4)  $-\frac{12}{|-1| + 1}$

5)  $|1 - -3| + |5|$

6)  $(|3 - 3| - -4) \times 5$

**Evaluate each using the values given.**

7)  $b - |a|$ ; use  $a = 5$ , and  $b = 6$

8)  $|x + y|$ ; use  $x = 3$ , and  $y = -5$

9)  $q - |r|$ ; use  $q = 3$ , and  $r = -1$

10)  $|j - h|$ ; use  $h = 5$ , and  $j = 6$

11)  $x - (|z| + x)$ ; use  $x = 6$ , and  $z = 3$

12)  $6|x + y|$ ; use  $x = 1$ , and  $y = 1$

13)  $(|p + q|) \div 5$ ; use  $p = -2$ , and  $q = -3$

14)  $j(h - |h|)$ ; use  $h = -1$ , and  $j = 5$

15)  $|2| + h + |j|$ ; use  $h = 6$ , and  $j = -4$

16)  $|x - y| + y - 1$ ; use  $x = -3$ , and  $y = -6$

17)  $3 - (p + |m - m|)$ ; use  $m = 4$ , and  $p = -4$

18)  $n(m + |-1|) - n$ ; use  $m = 1$ , and  $n = -6$

19)  $|ab| - |b| + b$ ; use  $a = 3$ , and  $b = 6$

20)  $x - (x + y - |-x|)$ ; use  $x = -2$ , and  $y = 4$

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16)  $|x - y| + y - 1$ ; use  $x = -3$ , and  $y = -6$

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