

Unit 1 Worksheet 2 - Exponents and Absolute Value

Date _____ Period _____

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1) Evaluate: -5^2

2) Evaluate: $(-5)^2$

3) Evaluate: -2^3

4) Evaluate: $(-2)^3$

5) Evaluate: $|-3|$

6) Evaluate: $|4|$

7) Evaluate: $|-3 + 2|$

8) Evaluate: $|4 - 7|$

9) Evaluate: $|-4 - 2|$

10) Evaluate: $|3 + 5|$

11) Evaluate: $|-3 \cdot 4|$

12) Evaluate: $|-6 \cdot -4|$

- 13) The temperature on a winter morning is 12° F. If the temperature rises 11 degrees then falls 7 degrees in the evening, what is the temperature in the evening? Write an expression that models the situation first.
- 14) The temperature on a winter morning is -15° F. If the temperature rises 20 degrees then falls 8 degrees in the evening, what is the temperature in the evening? Write an expression that models the situation first.
- 15) Sally has 8 jars each containing 15 marbles. She gives 3 marbles to her brother. Write an expression that models this situation.

Evaluate each expression.

16) $(-8) + (-6) - 5 - (-6)$

17) $(-5) - 7 + (-3) - 1$

Find each product.

18) $(-4)(-6)(-3)$

19) $(-4)(2)(4)$

Find each quotient.

20) $-16 \div 8$

21) $-21 \div -7$