

Name:

Date:

Period:

Math 7—Unit 1 Study Guide

1) Compare using $>$, $<$, or $=$. $|-8|$ _____ $|15|$ Compare. -4 _____ -9

2) Give two examples of an integer.

3) Model **and** solve using heaps and holes, a number line, or integer chips: $-6 + 4$

4) $-4 + 6 =$

5) $-3 + -8 =$

6) $-7 - 3 =$

7) $5 - 11 =$

8) $(-7)(3) =$

9) $\frac{-36}{-9} =$

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10) Penelope solved the following problem: $(-2)(-7) = -14$. Correct her mistake **and** explain why it is wrong.

11) Sean's golf scores for four games are: -1 , 2 , -3 , and 1 . Order his golf scores from least to greatest.

12) The temperature was -14°F and rose 18 degrees. What is the current temperature?

13) $2 \cdot (10 + 5)$

14) $17 - 6 \cdot 3 + 12$

Evaluate each expression if $m = 2$ and $y = 5$

15) $3m + y$

16) $-6y + m$

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Complete the chart. Each box is worth one point. Think ☺

	List the coefficient(s)	List the constant(s)	# of terms
17) $5a + 8 + 3a$			
18) $3m^2 + 6$			

Simplify the expression by combining like-terms. SHOW YOUR WORK!

19) $4c - 8 + 2c$

20) $-3 + 5c + 6c - 4$

21) $3(4m - 2)$

22) $-2(2d + 5)$

23) Write an algebraic expression: *five more than a number, n*