

Name: Key

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

### Foundations of Math 1 Unit 1 Test REVIEW

#### Calculator Inactive

#### Integer Operations:

1.  $(-14) + 8 = \underline{-6}$

2.  $(-10) - 36 = \underline{-46}$

3.  $0 - 24 = \underline{-24}$

4.  $(-7) - (-4) = \underline{-3}$

5.  $(-3)(-7) = \underline{21}$

6.  $\frac{(-22)}{2} = \underline{-11}$

#### Order of Operation:

7.  $(5 + 23) \div 7 - 5$

$$\begin{array}{l} 28 \div 7 - 5 \\ 4 - 5 \end{array}$$

7. -1

8.  $(10 - 2^2) - 21 \div 7$

$$\begin{array}{l} (10 - 4) - 21 \div 7 \\ 6 - 21 \div 7 \\ 6 - 3 \end{array}$$

8. 3

9.  $35 - (17 - 2) \div 5$

$$\begin{array}{l} 35 - 15 \div 5 \\ 35 - 3 \end{array}$$

9. 32

10.  $24 - 9 \cdot 2 + 6 \div 3$

$$\begin{array}{l} 24 - 18 + 6 \div 3 \\ 24 - 18 + 2 \\ 6 + 2 \end{array}$$

10. 8

#### Write the verbal expression in algebraic form.

11. Five more than twice a number.

11.  $2n + 5$

12. Three times the difference of a number and seven.

12.  $3(n - 7)$

13. Six less than four times a number.

13.  $4n - 6$

14. A number squared increased by 10.

14.  $n^2 + 10$

15. The product of eight and a number.

15.  $8n$

