

**SHOW ALL WORK! BOX YOUR ANSWERS!!**

Name: \_\_\_\_\_  
Date: \_\_\_\_\_

**Pre-Algebra Test Review  
Chapter One  
Algebraic Expressions and Integers**

1. A \_\_\_\_\_ is a symbol used to represent one or more numbers.

Write a variable expression for each word phrase.

2. 16 more than m

3. 8 less than z

4. n divided by 3

Simplify each expression.

5.  $4 - 1 \cdot 2 + 6 \div 3$

6.  $1 + \frac{10 - 2}{4}$

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7. Evaluate  $4(g + h)$ , for  $g = 8$  and  $h = 7$ .

8. Evaluate  $\frac{r+s}{2}$  for  $r = 13$  and  $s = 11$ .

9.  $|-56|$

10.  $|0|$

11.  $|1,000|$

12.  $-|-13|$

Compare. Use  $>$ ,  $<$ , or  $=$  to complete each statement.

13.  $-9$  \_\_\_\_\_  $-2$

14.  $|10|$  \_\_\_\_\_  $|-10|$

15.  $|-1|$  \_\_\_\_\_  $|50|$

16.  $-1 + 4$

17.  $-2 + (-2)$

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18.  $-12 + (-31)$

19.  $7 + (-18)$

20.  $2 + (-6)$

21.  $4 - 8$

22.  $-2 - (-7)$

23.  $-1 - 5$

24.  $32 - (-3)$

25.  $2 - 48$

26. Write a rule for the pattern and write the next three terms: 4, 9, 14, 19, ...

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27.  $2(-6)$

28.  $6(-3)(5)$

29.  $5 \cdot -8$

30.  $-3 \cdot -9$

31.  $-2 \cdot -7 \cdot 2$

32.  $-48 \div (-6)$

33.  $-32 \div 8$

34.  $-38 \div (-2)$

35.  $81 \div (-9)$

36.  $18 \div (-1)$

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37. Draw a coordinate plane. Clearly label the following:
- The origin
  - The y-axis
  - The x-axis
  - All four quadrants