

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

**Blizzard Bag #1**  
**Expressions, Functions, and Statistics**

**Properties of Numbers**

Evaluate each expression. Name the property used in each step.

1.  $2 \left[ \frac{1}{4} + \left( \frac{1}{2} \right)^2 \right]$

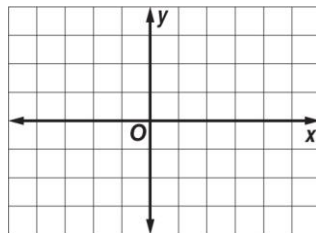
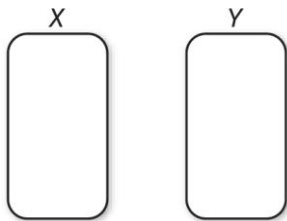
2.  $15 \cdot 1 - 9 + 2(15 \div 3 - 5)$

3.  $2(3 \cdot 5 \cdot 1 - 14) - 4 \cdot \frac{1}{4}$

4.  $18 \cdot 1 - 3 \cdot 2 + 2(6 \div 3 - 2)$

**Relations and Functions**

1. Express the relation  $\{(-2, -1), (3, 3), (4, 3)\}$  as a table, a graph, and a mapping.



x	y

**Statistics**

Find the mean, median, mode, range, and standard deviation of each data set. Then, create a box plot, histogram, or dot plot to represent the data. (You may do this on the back of this paper but please use a different representation for each problem!)

1. 33, 38, 29, 35, 27, 34, 36, 28, 41, 26

2. 8, 9, 3, 6, 12, 9, 3, 16, 9, 11