

## Review Worksheet for Chapter Test

Write 2 situations for each integer given.

Example:

**Integer:**  $-15^\circ$

**Situations:** the temperature dropped 15 degrees  
the student withdrew 15 dollars

1. Integer: 56

2. Integer:  $-56$

3. Write 10 integers (5 positive and 5 negative). Order the numbers from least to greatest.

4. Write a different set of 10 integers (5 positive and 5 negative). Order the numbers from greatest to least.

Compare the following using  $<$ ,  $>$ , or  $=$ .

5.  $|-2|$  \_\_\_\_\_  $|-1 + -1|$

6.  $-24$  \_\_\_\_\_  $-|-24|$

7.  $|-32|$  \_\_\_\_\_ 33

8.  $|23|$  \_\_\_\_\_  $|-23|$

9. Make a number line. Graph  $-2$  and its opposite. Be sure to label both points.

Evaluate each expression by using addition, subtraction, multiplication, or division.

10.  $-5 + 6$

13.  $9 - -7$

16.  $-3 \times 8$

19.  $-10 \div 2$

11.  $5 - -6$

14.  $-9 - 7$

17.  $3 \times -8$

20.  $10 \div -2$

12.  $-5 - -6$

15.  $-9 - -7$

18.  $-3 \times -8$

21.  $-10 \div -2$

Solve each equation. Show your work. Check your answer

22.  $x + -3 = 7$

26.  $y - 2 = -8$

30.  $-4k = -12$

23.  $x + 3 = -7$

27.  $y - -2 = -8$

31.  $x \div -7 = 5$

24.  $x + -3 = -7$

28.  $-4k = 12$

32.  $x \div 7 = -5$

25.  $y - -2 = 8$

29.  $4k = -12$

33.  $x \div -7 = -5$

Simplify the following expressions using order of operations.

34.  $-6 + 7 \times -5$

35.  $-5 - 21 \div -3$

36.  $-2^2 + 5 - 3 \times 3 - (-2)$

Simplify the following expressions for  $x = -2$ ,  $y = -3$ , and  $z = 2$

37.  $-2x + 3y \div -3 + -z + y^2$

38.  $3x + 2y \div -z + -x + -y$

39. Make a coordinate grid. Label the x-axis, the y-axis, the origin, and each of the quadrants.

40. Make a coordinate grid. Graph and label the rectangle with the coordinates A (3, 4), B (3, 1), C (5, 1) and D (5, 4). Find the perimeter and the area of this rectangle. Translate the rectangle 5 down and 2 left. Label the new vertices. Next reflect the original rectangle over the y-axis. Label the new vertices.