Name: _____ Period: 3 7 8 (circle one)

# Chapter 8 Review

**Vocabulary and Concept Check**

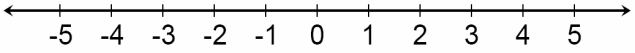
✓ Choose the letter of the term that best matches each phrase.

| | | | |
|---|---|---|---|
| 1. | the sign of the sum of two positive integers | _____ | a) x-coordinate |
| 2. | the horizontal number line of a coordinate system | _____ | b) positive |
| 3. | the sign of the quotient of a positive integer and a negative integer | _____ | c) negative |
| 4. | the second number in an ordered pair | _____ | d) x-axis |
| 5. | the first number in an ordered pair | _____ | e) y-coordinate |
| 6. | a pair of counters including one positive counter and one negative | _____ | f) opposites |
| 7. | numbers that are the same distance from zero on the number line | _____ | g) zero pair |

**8.1 Integers**

☆ Graph each integer on a number line.

-2

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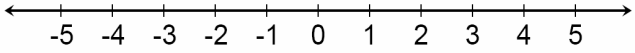



☆ Write $<, >, =$ to compare each set of integers.

-20 ◯ 0 -12 ◯ -13 14 ◯ -14

☆ Write the set of integers in order from least to greatest: -2, 4, 0, -1, 3

_____, _____, _____, _____, _____,

☆ Write the set of integers in order from greatest to least: 8, -7,-5, -12, 10

_____, _____, _____, _____, _____,

**8.2 Adding Integers**

☆ Add. Use counters or a number line if necessary.

$-6+6$ $-10+4$ $-3+(-12)$ $4+3$

$-8+(-5)$ $-15+9$ $9+(-3)$ $-20+20$

**(OVER)**

## 8.3 Subtracting Integers

☆ Subtract. Use counters if necessary.

| | | | |
|---|---|---|---|
| $6-4$ | $-4-9$ | $-3-(-8)$ | $12-14$ |
| $-2-5$ | $-1-(-2)$ | $10-(-9)$ | $4-(-4)$ |

## 8.4 Multiplying Integers

☆ Multiply.

| | | | |
|---|---|---|---|
| $-3\times5$ | $6\times(-4)$ | $-2\times(-8)$ | $-7\times(-5)$ |
| $8\times4$ | $0\times(-9)$ | $-6\times6$ | $-7\times(-8)$ |

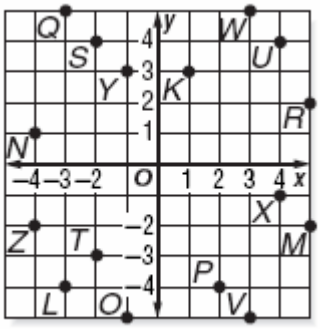
## 8.5 Dividing Integers

☆ Divide.

| | | | |
|---|---|---|---|
| $-8\div2$ | $56\div(-2)$ | $-24\div(-3)$ | $-21\div7$ |
| $42\div6$ | $-81\div(-9)$ | $0\div(-6)$ | $-16\div8$ |

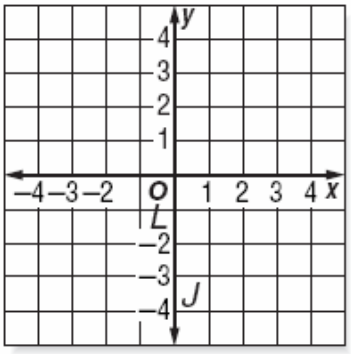
## 8.6 The Coordinate Plane

☆ Write the ordered pair that names each point. Then identify the quadrant where each point is located.




| R | X | Z | N | S |
|---|---|---|---|---|
| (  ,  ) | (  ,  ) | (  ,  ) | (  ,  ) | (  ,  ) |

☆ Graph and label each point on the coordinate plane.




| A | B | C | D | E |
|---|---|---|---|---|
| $(2,-1)$ | $(-3,-2)$ | $(0,1)$ | $(4,0)$ | $(-3,4)$ |

**(OVER)**