Name _____ Date _____ Class _____

LESSON 11-1

Quiz Review

Integers and Absolute Value

Name a positive or negative number to represent each situation.

1. depositing $85 in a bank account

_____

2. riding an elevator down 3 floors

_____

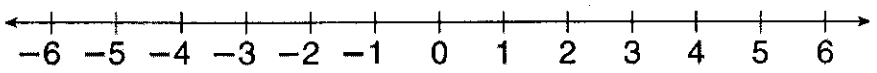
3. the foundation of a house sinking 5 inches

_____

4. a temperature of 98° above zero

_____

Graph each integer and its opposite on the number line.



5. −2

_____

6. +3

_____

7. −5

_____

8. +1

_____

Find the absolute value of each integer.

9. |−3|

_____

10. |4|

_____

11. |−6|

_____

12. |−4|

_____

13. The highest point in the state of Louisiana is Driskall Mountain. It rises 535 feet above sea level. Write the elevation of Driskall Mountain as an integer.

_____

14. The lowest point in the state of Louisiana is New Orleans. This city's elevation is 8 feet below sea level. Write the elevation of New Orleans as an integer.

_____

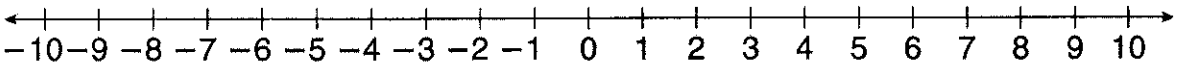
Name _____ Date _____ Class _____

LESSON 11-2

Quiz Review

Comparing and Ordering Integers

Use the number line to compare each pair of integers. Write < or >.



1. 10 ___ −2
2. 0 ___ 3
3. −5 ___ 0
4. −7 ___ 6
5. −6 ___ −9
6. −8 ___ −10

Order the integers in each set from least to greatest.

7. 5, −2, 6 _____
8. 0, 9, −3 _____
9. −1, 6, 1 _____
10. −8, −9, 9 _____
11. 15, 1, −5 _____
12. −4, −7, −2 _____

Order the integers in each set from greatest to least.

13. 8, −6, 4 _____
14. −2, 1, 2 _____
15. 0, 7, −8 _____
16. −1, 1, 0 _____
17. −12, 2, 1 _____
18. −10, −12, −11 _____

19. The lowest point in the Potomac River is 1 foot above sea level. The lowest point in the Colorado River is 70 feet above sea level. The lowest point in the Delaware River is sea level. Write the names of these three rivers in order from the lowest to the highest elevation.

_____

20. The lowest recorded temperature in Alabama was 27°F below zero. In Florida, the lowest recorded temperature was 2°F below zero. The lowest temperature ever recorded in Hawaii was 12°F above zero. Write the names of these three states in order from the highest to the lowest recorded temperatures.

_____

Comparing and Ordering Rational Numbers **Name**_____

Fill in each blank with < , > , or = to make each sentence true.

1. $\frac{2}{3}$ ___ $\frac{5}{8}$

2. 0.03___0.003

3. 1.1 ___ 1.05

4. $\frac{2}{5}$ ___ 0.44

5. -2.75 ___ -2.5

6. -3/4 ___ -.75

Write the numbers in order from least to greatest.

7. $\frac{3}{8}$ $\frac{1}{4}$ $\frac{7}{8}$

8. 0.44, 3/8, 0.5, 2/5

9. 0.2, 4/15, 0.21, 1/4

10. $-2.1,\ 0.5, -0.5,\ \frac{5}{100}$

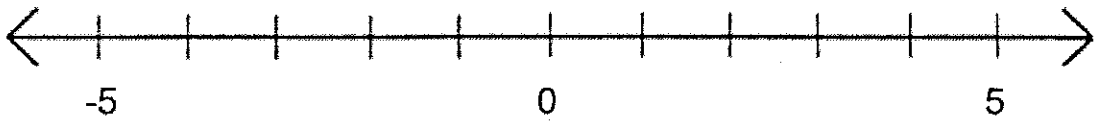
11. $-10,\ 2, -0.5,\ \frac{5}{16}$

12. $4^2, -\frac{5}{2}, -2\frac{1}{3}, \frac{1}{16}$

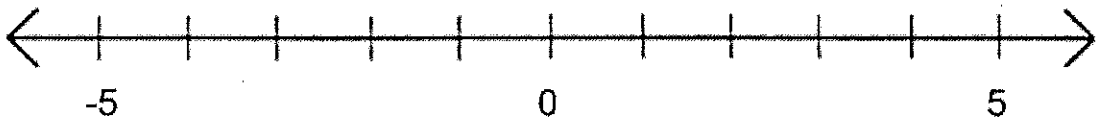
13. $4.12, -4, \frac{9}{2}, -\frac{17}{4}$

#14-18: Put the following numbers on the number lines given.

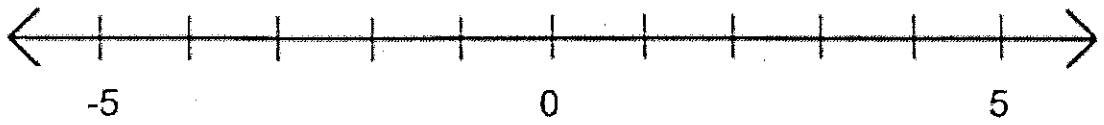
14. -5, 2, -5.5, 3,



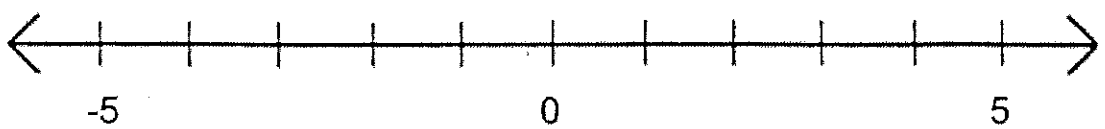
15. $\frac{3}{2}, 2^2, 2.2, -2$



16. $-\frac{3}{4}, 0, -3, 0.75, -1.8, -3.5$



17. $1\frac{3}{7}, 2.5, 3.5, -2.2, -4\frac{5}{9}, -\frac{30}{6}$



Name _____ Date _____ Class _____

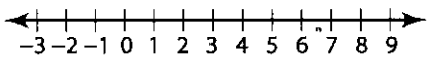
LESSON 13-5

Review

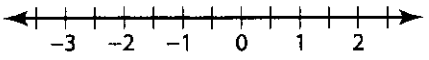
Inequalities

Graph the solutions of each inequality on a number line.

1. $d \leq 3$



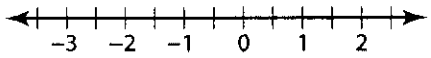
2. $s > -1\frac{1}{2}$



Solve and graph each inequality.

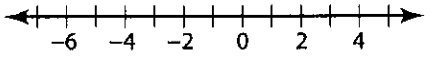
3. $n + 6 < 8.5$

_____



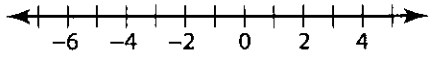
4. $x + 2 \leq 3$

_____



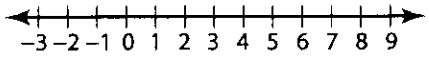
5. $\frac{r}{4} < 1$

_____



6. $3t \leq 18$

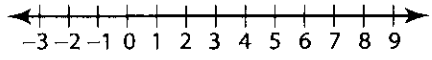
_____



Write an inequality for each sentence. Then graph your inequality on a number line.

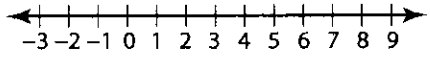
7. c minus two is less than or equal to one.

_____



8. b plus three is greater than four.

_____



9. An amusement park ride has a restriction on height that says "You must be at least 60 inches tall to ride." Let h represent the height of any person that can ride. Write an inequality relating h to the minimum height of a person that can ride this ride.

_____