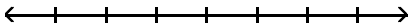
NAME _____

MATH 095
CHAPTER 2 REVIEW
SHOW ALL WORK

Graph the numbers on the number line.

1) 0, 2, 4, 6



Insert < or > to make the statement true.

2) 9 _____ -4

Simplify.

3) |-13|

Find the opposite of the integer.

4) 25

Simplify.

5) -|-10|

6) -(-11)

Insert <, >, or = between the pair of numbers to make a true statement.

7) −|63| _____ −(−63)

Choose all numbers for x from the given list that make the statement true.

8) |x| > 9; 0, 9, -7, -11

Determine whether the statement is true or false.

9) If a > b, then a must be a positive number.

10) The absolute value of a number is always a positive number.

11) The number -a is always a negative number.

Add.

12) -61 + 73

13) -82 + (-32)

14) 11 + (-14) + 5 + (-11) + 4 + (-19)

Determine whether the statement is true or false.

15) The sum of two positive numbers is always a positive number.

16) The sum of a positive number and a negative number is always a negative number.

Perform the indicated operation.

17) 2 - 13

18) -15 - (-6)

19) Subtract 25 from -13.

Simplify.

20) 1 + (-15) - 3 - (-16) + 16

Evaluate the expression for the given replacement values.

21) x - y for x = 2, y = -20

Multiply.

22) -3(-2)

23) -20(4)

24) 7 (-1) (9) (-4)

25) (-8)(-4)(-5)

Find the quotient.

26) $-66 \div (-6)$

27) $140 \div (-35)$

28) $\frac{-62}{0}$

29) $\frac{0}{60}$

Simplify.

30) -2^3

31) $(-3)^4$

32) $-4(4 - 6)^2 + 3(3 - 7)^2$