1) What is the value of x- 12, if x = -3?

2) What is the value of
$$8 + 3(-5 + 2)$$
?

- 5) Find the product of 8 and -3.
- 6) Find the sum of 8 and -3.

7)
$$Solve: -5 - (-3) + 6 = 8) Solve: (-6) (2) (-2) =$$

0)
$$Solno: -24 \div -3 =$$

9) Solve:
$$-24 \div -3 = 10$$
) Solve: $(4-7) + (8 \div -2) = 10$

12)
$$Solve: -8 + (-4) + 15 =$$

Use the order of operations to solve the following:

15)
$$(18+7) 4 \div (-2)$$
 16) $7 + 36 \div 6 - 10$

$$(16) 7 + 36 \div 6 - 10$$

Integers

Fill in the blanks with <, > or =

Evaluate each expression

Evaluate each expression if x = -10 and y = 6

Arrange the following in order from least to greatest

15) If
$$x = -2$$
 and $y = 2$, then which of the following statements is false?
a) $|x| > 1$ b) $|x| = |y|$ c) $|y| < 1$ d) $|x| = y$

a)
$$|x| > 1$$

c)
$$|y| < 1$$

$$d) |x| = y$$

16) Which expression has the greatest value?

Determine whether each statement is always, sometimes or never true. Explain your reasoning.

17) The absolute value of a positive integer is a negative integer.

18) If a and b or integers and a > b then |a| > |b|.

19) If a and b are integers, $a - |b| \le a + b$.

20) Plot the following integers on a number line. -3, 6, -2, 0, 3, -5, 1, -1

Homework – Integers

Name

Write an integer for each. Then write the opposite of the integer

- 1) a diver 50 m below sea level
- 2) an airplane 600 m above ground _____ ___
- 3) a profit of \$121
- 4) a basement 10 m below ground _____ ____

Find each

Replace ____ with < or >

$$13) - 6 _{--}$$

List the integers from least to greatest

- 19) An airplane is 3400 ft. above the ground. The plane goes up 100 ft. How far up is the plane now?
- 20) A coal miner is in a tower 25 ft. above the ground. He goes down 60 ft. on an elevator. Where is he now?

100		· 2 * 1 * 1	# mayara		
Name	Property.				
		7 1	Marie 10	 8 77	

1) Place the following in order from least to greatest: 4, -5, 1, -8, -1, 0, 3

- 2) Find the quotient of 12 and -3 _____
- 3) Find the sum of 12 and -3 ____
- 4) Find the difference of 12 and -3 ____
- 5) Find the product of 12 and -3

Solve the following:

Compare the following

Use the order of operations to solve the following

22) A team lost a total of 12 yards on 3 plays. What was the average loss per play? (set up the problem using integers)

23) The high temperature on Monday was 10°C and the low was -4°C. What was the difference in temperatures on Monday? (set up the problems using intergers)

26) Use a number line to add -3 + 5

Solve the following:

Write the following as a number sentence and then solve.

31) eight divided by negative four ____

32) the product of five and four, minus twenty-five ____

33) five squared, plus negative four cubed _____

Name

- 1) Place the following in order from least to greatest: 4, -5, 1, -8, -1, 0, 3
- 2) Find the quotient of 12 and -3
- 3) Find the sum of 12 and -3 _____
- 4) Find the difference of 12 and -3 _____
- 5) Find the product of 12 and -3

Fill in the blanks with <, > or =

Evaluate each expression

$$|10\rangle |5| = |11\rangle |-6| = .$$

$$|12| |6 - 3| - |2 - 4| =$$

Evaluate is x = -10 and y = 6

13)
$$3 + |x|$$

13)
$$3 + |x|$$
 14) $|y| + 12$

15)
$$|x| - |y|$$

Solve:

$$16) -5 - (-3)$$

$$17) -6 (2) (-2)$$

17)
$$-6(2)(-2)$$
 18) $(4-7) + (8 \div -2)$

19)
$$-24 \div -3$$

$$20) -18 + 15$$

$$21)(-8)-(-2)+3$$

$$22)(-2)^{3}$$

$$23) - 5 + 2(-8 - 2)$$