

Name _____
Pre Algebra

Date _____
Unit 1 Test Review

1. Which statement is not true?

A. $-6 > -9$

B. $-1 < 3$

C. $-7 > -2$

D. $3.5 < 3.58$

Perform the indicated operation.

2.) $3 + 7$	3.) $-2 + (-1)$	4.) $5 - 9$	5.) $2 + (-10)$	6.) $-12 - (-4)$
7.) $-48 + 12$	8.) $-7 - 6$	9.) $(-7) - (-6)$	10.) $15 - 35$	11.) $(12)(5)$
12.) $-22 \div -11$	13.) $(-8)(9)$	14.) $(-14)(-6)$	15.) $(-8)(-2)(-3)$	16.) $\frac{-120}{8}$
17.) $-12 \div (-4) + (-2)^2$	18.) $-14 + 3(-2) - 1$	19.) $-\sqrt{81} + 15 \div (-3)$	20.) $\sqrt{16} + \sqrt{25}$	21.) $\sqrt{36 + 64}$

Evaluate each expression when $a = -5$ $b = -2$ $c = 7$

22.) abc	23.) $a^2 - b - c$	24.) $4ac \div b$
------------	--------------------	-------------------

25.) Explain in words and give an example of each property.

Commutative Property of Addition/Multiplication:

Associative Property of Addition/Multiplication:

Identity Property of Addition:

Identity of Multiplication:

Inverse Property of Addition:

Inverse Property of Multiplication:

Zero Product Property:

26.) Describe each set of numbers. Give an example of a number that belongs in the set and a number that does not belong in the set.

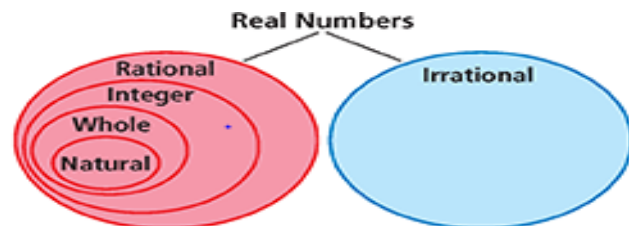
Natural:

Whole:

Integer:

Rational:

Irrational:



27.) If $a < 0$ and $b < 0$, what can we conclude about the sign of $a + b$? Explain.

28.) A dolphin swims below sea level to a depth of -8 feet. The dolphin returns to the surface and jumps out of the water to reach a height of 6 feet. What was the total distance between the dolphins lowest elevation and highest?