

Name: \_\_\_\_\_ Period: \_\_\_\_\_ SCORE: \_\_\_\_\_ / \_\_\_\_\_ = \_\_\_\_\_ % = \_\_\_\_\_

## Review Unit 1 Intermediate 1 Show All Work!!

Evaluate.

1.  $|-16| + |-29|$

45

2.  $|3| - |-12|$

-9

3.  $6 + |-27 - 4|$

37

4.  $|-16 + 5|$

11

5.  $-|-15 + 20|$

-5

6.  $17 - |6 - 11|$

12

7. Graph the following set of numbers on a number line.

$\{-8, 6, -3, 2, 0, -5\}$



8. Order the following set of integers from LEAST to GREATEST.

$\{-8, 12, -17, 0, 3, -6, 5, 2\}$

$-17, -8, -6, 0, 2, 3, 5, 12$

Evaluate each of the following.

9)  $-17 + (-28) = -45$     10)  $-25 + 16 = -9$     11)  $18 + (-4) = 14$     12)  $-13 + 20 = 7$

13)  $30 - 48 = -18$     14)  $-6 - (-9) = 3$     15)  $-21 - 38 = -59$     16)  $-84 - 10 + -6 = -100$

17)  $12 + -48 - 5 = -41$     18)  $5(-8) = -40$     19)  $-7 - 4 = -11$     20)  $-7(-4) = 28$

21)  $(-6)(11) = -66$     22)  $81 \div (-9) = -9$     23)  $-25 \div -5 = 5$     24)  $\frac{-36}{3} = -12$

25)  $19 - (-8) = 27$     26)  $-9 - (-9) = 0$     27)  $(-9)^2 = 81$     28)  $3 + (-9) + (-12) = -18$

29)  $6(2) - 4(4) = -4$     30)  $(-1)(-5)(-7) = -35$     31)  $4(-5) - (2 \cdot 4 - 3) = -25$

32) State the order of operations.

1<sup>st</sup> Grouping Symbols ( ) [ ] { } | |  
2<sup>nd</sup> Exponents  
3<sup>rd</sup> Multiply / Divide Go left to Right!  
4<sup>th</sup> Add / Subtract Go left to Right!

Solve the following (don't forget the order of operations).

SHOW ALL WORK

33)  $15 \div 3 + 48 \div (-4)^2$

8

34)  $\frac{18+66}{35-14}$

4

35)  $26 \div 2 + 3(4)$

25

36)  $35 - 3(5 - 2)^2 + 20 \div 4$

13

37)  $-10 - 12 \div (-4) + 6(-2)$

-19

Write the integer that represents each situation.

38) debt of \$80

-80

39) withdrawal of \$100

-100

40) ascended 322 feet

322

Circle the mistake in each problem and solve correctly.

41)  $-7 \cdot 4 - 2^1 + 10$

$-28 - 2^1 + 10$

$-28 - 1 + 10$

$-29 + 10$

$= -19$

Correction

$-28 - 2 + 10$

$-30 + 10$

$-20$

42)  $-|9 - 3| + 8$

$-|9 + 3| + 8$

$-|12| + 8$

$-12 + 8$

$= -4$

Correction

$-|6| + 8$

$-6 + 8$

$2$

43) As a plane was nearing its destination it descended 500 feet. A few minutes later it descended 325 more feet. Write and simplify an expression representing this situation.

$-500 - 325 = -825 \text{ feet}$