

**NO CALC**

Evaluate numeric expressions demonstrating the ability to add, subtract, multiply, and divide positive and negative integers.

**\* Clearly show work.** Circle your answer.

$$1) 6 + (-8)$$

$$= (-2)$$

ALWAYS SHOW WORK! GOING DOWN!

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

$$= -6 + 2$$

$$= (-4)$$

Show this step

$$3) -12 + 15$$

$$= (3)$$

$$4) (-5) + (-3)$$

$$= (-8)$$

You must include signs!

$$5) 4 \cdot -9$$

$$= (-36)$$

$$6) -3 \cdot -9$$

$$= (27)$$

$$7) (-2)(2)$$

$$= (-4)$$

$$8) (-5)(-3)$$

$$= (15)$$

$$9) \frac{-80}{-10}$$

$$= (8)$$

$$10) \frac{0}{-5}$$

$$= [0]$$

$$11) \frac{-35}{0}$$

Cannot divide by 0

UNDEFINED

$$12) \frac{-40}{8}$$

$$= [-5]$$

$$13) -40 \div -5$$

$$= (8)$$

$$14) -50 \div 5$$

$$= (-10)$$

**NO CALCULATOR**

**\*\* Evaluate numeric expressions that include two operations and positive and negative integers. Clearly show work. Circle your answer.**

1)  $8 - (-1) + (-8) =$

$8 + 1 + (-8) =$

$-8 + 9 =$   
**1**

Rewrite as an addition problem

2)  $3 - (-8) - 5 =$

$3 + 8 + (-5) =$

$-5 + 11 =$   
**6**

You must show this addition step!

Show this step!

3)  $-7 \cdot -5 \cdot 5 =$

$35 \cdot 5 =$

**175**

Show every step in the order of operations! AND GO DOWN!

4)  $-4 \cdot -5 \cdot 3 \cdot -2 =$

$20 \cdot 3 \cdot -2 =$

$60 \cdot -2 =$

**-120**

5)  $6 - (-4 - 5) =$

$6 - (-9) =$

$6 + 9 =$

**15**

WRITE AS AN ADDITION PROBLEM

6)  $-8 \div (2 - 4) =$

$-8 \div -2 =$

**4**

7)  $-6 \div 2 - 4 =$

$-3 - 4 =$

**-7**

8)  $2 \div -2 - 3 =$

$-1 - 3 =$

**-4**

NAQ.a

Date \_\_\_\_\_ Period \_\_\_\_\_

NAQ.a.3

**NO CALC**

Evaluate complex numeric expressions that include three or more operations, parentheses, and positive and negative integers.

\*

Clearly show work. Circle your answer.

$$1) 2 - 12 \div 2 \cdot -4 =$$

$$2 + (-6) \cdot -4 =$$

$$2 + 24 =$$

$$\boxed{26}$$

Show steps  
going down

$$2) (-14 + 3 \cdot 2) \div -4 =$$

$$(-14 + 6) \div -4 =$$

$$-8 \div -4 =$$

$$\boxed{2}$$

$$3) -5 \cdot -2 - (-4 + 3) =$$

$$-5 \cdot -2 - (-1) =$$

$$-5 \cdot -2 + 1 =$$

$$+10 + 1 =$$

$$\boxed{11}$$

remember  
= signs

$$4) (-5 \cdot 2) \div (-5 + 3) =$$

$$(-10) \div (-2) =$$

$$\boxed{5}$$

NAQ.a

Date \_\_\_\_\_ Period \_\_\_\_\_

NAQ.a.4

NO CALC

Evaluate complex numeric verbal expressions involving at least 2 operations. Rewrite as numeric expression using ()'s only when needed. Clearly show work. Circle your answer.

1) double the sum of 2 and -7

$$2(2+(-7)) \text{ OR } 2(2-7)$$

$$= 2(-5) \quad \left. \vphantom{2(-5)} \right\} = 2(-5)$$

$$\boxed{-10} \quad \left. \vphantom{\boxed{-10}} \right\} \boxed{-10}$$

3) the sum of -12 and 2 cubed

$$-12 + 2^3 =$$

$$-12 + 8 =$$

$$\boxed{-4}$$

remember  
 $2^3 = 2 \cdot 2 \cdot 2$

2) twice -10 plus 50

$$2(-10) + 50 \xrightarrow{\text{OR}} 2 \cdot -10 + 50$$

$$-20 + 50 =$$

$$\boxed{30}$$

4) the product of 9 and the quantity of 5 and -15

$$9(5+(-15))$$

OR

$$9(5-15) =$$

$$9(-10) =$$

$$\boxed{-90}$$

Quantity  
 means  
 ( )'s