

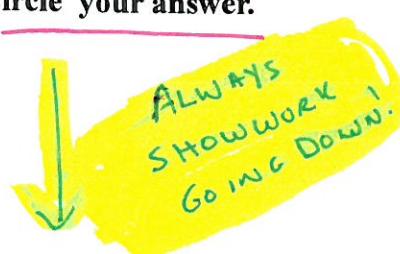
**NO CALC**

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

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

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

$= -2$



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

$= -6 + 2$

$= -4$

Show this step

$$3) -12 + 15$$

$= 3$



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

$= -8$

$$5) 4 \cdot -9$$

$= -36$

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

$= 27$

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

$= -4$

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

$= 15$

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

$= 8$

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

$= 0$

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

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)  $\overline{-7 \cdot -5 \cdot 5} =$

$$\underline{35 \cdot 5} =$$

(175)

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

4)  $\overline{-4 \cdot -5 \cdot 3 \cdot -2} =$

$$\underline{20 \cdot 3 \cdot -2} =$$

$$60 \cdot -2 =$$

(-120)

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

$$6 - \overline{(-9)} =$$

(15)

WRITE AS  
AN ADDITION  
PROBLEM

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

$$-8 \div \overline{-2} =$$

(4)

7)  $\overline{-6 \div 2 - 4} =$

$$\underline{-3} - 4 =$$

(-7)

8)  $\overline{2 \div -2 - 3} =$

$$-1 - 3 =$$

(-4)

NAQ.a

**NOCALC**

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

NAQ.a.3

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

\* Clearly show work. Circle your answer.

$$1) 2 - \underline{12 \div 2} \cdot -4 =$$

$$2 + \underline{(-6)} \cdot -4 =$$

$$2 + 24 =$$

$$\boxed{26}$$

Show steps  
going down

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

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

$$-8 \div -4 =$$

$$\boxed{2}$$

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

$$-5 \cdot -2 - \overset{\uparrow}{(-1)} =$$

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

$$+10 + 1 =$$

$$\boxed{11}$$

remember  
= signs

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

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

$$\boxed{5}$$

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

$$\begin{aligned} & 2(2+(-7)) \text{ or } 2(2-7) \\ & = 2(-5) \quad \left\{ \begin{array}{l} \text{=} \\ \text{=} \end{array} \right. = 2(-5) \\ & \boxed{-10} \quad \boxed{1-10} \end{aligned}$$

- 3) the sum of -12 and 2 cubed

$$\begin{aligned} & -12 + 2^3 = \quad \text{remember } 2^3 = 2 \cdot 2 \cdot 2 \\ & -12 + 8 = \\ & \boxed{-4} \end{aligned}$$

- 2) twice -10 plus 50

$$\begin{aligned} & 2(-10) + 50 \xrightarrow{\text{or}} 2 \cdot -10 + 50 \\ & -20 + 50 = \\ & \boxed{30} \end{aligned}$$

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

$$\begin{aligned} & 9(5+(-15)) \\ & \text{or} \\ & 9(5-15) = \\ & 9(-10) = \\ & \boxed{-90} \end{aligned}$$

Quantity  
means  
( )'s