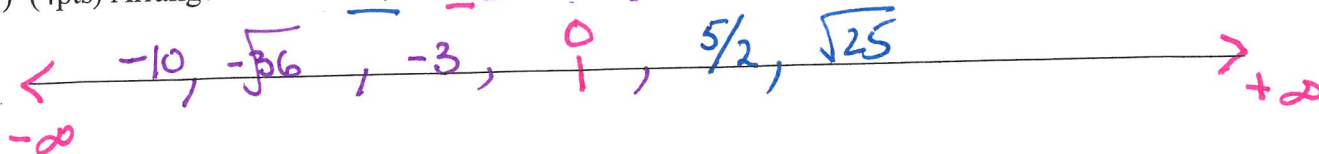


cw: Ch 2 Practice Test (in-class version)

Date _____ Period _____

Arrange numbers in ascending order (least to greatest).

- 1) (4pts) Arrange numbers
- $5/2$
- ,
- -3
- ,
- 0
- ,
- -10
- ,
- $\sqrt{25}$
- ,
- $-\sqrt{36}$
- , in ascending order (least to greatest).



(3pts) Evaluate each expression. CLEARLY SHOW WORK AND CIRCLE ANSWER.

$$2) |(-2) - 2| = |-4|$$

4

$$3) |6 \cdot (-4)| = |-24|$$

24

Evaluate inside
all symbols. They
are like (),
Circle Answer

Rewrite each expression as an Addition problems (2pts).
Then evaluate and circle your answer (2pts)

4) $5 - -3 - 11 - 9$

$$5 + 3 + (-11) + (-9)$$

Go DOWN

$$-20 + 8 =$$

-12

5) $-12 - -1 - -10 - 4$

$$-12 + 1 + 10 + (-4)$$

$$-16 + 11 =$$

-5

write as
Addition problem.

(2pts) Find each sum. Show work! TIP: add negative numbers and add positive numbers

6) $(-5) + 8 + (-4) + 7$

$$-9 + 15 =$$

6

(2pts) Evaluate each expression

$$7) (5)(-4)(2)(-3)$$

NEG #'s is (+ #)
EVEN

$$\downarrow$$

$$+120$$

120

Both Correct

$$8) (-4)(3)(-1)(-2)$$

3 NEG #'s is (- #)
ODD

$$\downarrow$$

$$\boxed{-24}$$

(4pts) Find each quotient. Clearly show the multiplication step (2pts). Evaluate (2pts)

$$9) \frac{5}{4} \div \frac{-10}{1} \xrightarrow{\text{rewrite}} \frac{5}{4} \cdot \frac{1}{-10} = \frac{5}{-40} = \boxed{-\frac{1}{8}}$$

(4pts) Evaluate each expression. Clearly show your steps.

$$10) 3 + (9 - (1 + 2)) \div 2$$

$$3 + (9 - 3) \div 2$$

$$3 + \frac{6}{2}$$

$$3 + 3 = \boxed{6}$$

$$11) (((5)(3)) \div (-5))(-1)$$

$$(15 \div -5) \cdot -1 =$$

$$-3 \cdot -1 =$$

$$\boxed{3}$$

Go down

(4pts) Simplify each expression. Write in standard form (variable term first and constant last)

$$12) 2(6 - 3x)$$

Distribute

$$12 - 6x =$$

rewrite

$$\boxed{-6x + 12}$$

$$13) n - 8 - 10 - 12n$$

Combine Like Terms

$$\boxed{-11n - 18}$$

$$14) -5 - (6x + 4)$$

distribute -1

$$-5 - 6x - 4 \leftarrow \text{Combine Like Terms}$$

$$\boxed{-6x - 9}$$

$$15) \frac{-36x + 24}{-12}$$

distribute

$$\frac{-36x}{-12} + \frac{24}{-12} =$$

$$\boxed{3x - 2}$$

Evaluate each using the values given. Show the substitution (2pts) then evaluate (2pt).

$$16) q(r - q) + p; \text{ use } p = 20, q = 10, \text{ and } r = 6$$

$$10(6 - (10)) + 20$$

$$10(-4) + 20$$

$$-40 + 20$$

$$\boxed{-20}$$

$$17) x \div 2((-7) - z); \text{ use } x = -10, \text{ and } z = -9$$

$$-10 \div 2(-7 - (-9))$$

$$-10 \div 2(-7 + 9)$$

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

$$-5 \cdot 2 = \boxed{-10}$$

BONUS: (3pt each) Evaluate each expression. Clearly show work to receive credit

$$18) (-6 \cdot 2) \div 6 - -8 \div (2 - 6)$$

$$\frac{-12}{6} + \frac{8}{(-4)}$$

$$-2 + (-2) =$$

$$\boxed{-4}$$