

Student Name _____

Parent Signature _____

Pre-Alg.
Ch. 2
Review

1) $|-56|$ absolute value = the distance from zero
 $\frac{56}{56}$
 (A)

2) $|-25| + |36|$
 $25 + 36$
 61 (C)

3) $|98| - |-39|$
 $98 - 39$
 59 (A)

4) $(2, -3)$
 right 2, down 3
 point B (B)

5) point C
 left 3, 0 up/down
 $(-3, 0)$ (C)

6) $-98 < 89$
 positive bigger (A)

7) $-2 > -18$
 -2 bigger than -18 (C)

8) $\{-9, -7, 4, 7\}$
 (C)

9) $-6 + (-9)$ same, add
 -15 (D)

10) $17 + (-8) + 12$ diff sub, same add
 $\frac{9 + 12}{21}$ (C)

Same = add
 diff = sub

sign of larger number

11) $17 - (-6)$
 $17 + (+6)$
 23 (C)

change sub. to "add the opposite"

12) $-78 - 54$
 $-78 + -54$ same add
 -132 (A)

mult/div
 same = +
 diff = -

13) $-12 \cdot 5$ diff
 -60 (C)

14) $-9(-7)(-2)$ $-9, -7$ same
 $\frac{63(-2)}{-126}$ $63, -2$ diff
 (B)

15) $164 \div (-4)$ diff
 -41 (A)

16) $24 \div (-6)$ diff
 -4 (D)

17) $c + b + a$

same
bigger number
diff

$$\begin{aligned} & -5 + -2 + 8 \\ & \underline{-7 + 8} \\ & 1 \quad \text{(B)} \end{aligned}$$

18) $b - a + c$

$$\begin{aligned} & -2 - 8 + -5 \\ & \underline{-2 + -8 + -5} \\ & -10 + -5 \\ & -15 \quad \text{(D)} \end{aligned}$$

19) $(a \div b) + c$

$$\begin{aligned} & (8 \div -2) + -5 \\ & -4 + -5 \\ & -9 \quad \text{(A)} \end{aligned}$$

20) $ab - c$

$$\begin{aligned} & (8)(-2) - (-5) \\ & -16 - (-5) \\ & -16 + (+5) \\ & -11 \quad \text{(A)} \end{aligned}$$

21) $-3s(-4t)$

$$\begin{aligned} & (-3 \cdot -4)(s \cdot t) \\ & 12st \quad \text{(B)} \end{aligned}$$

22) $6x(-5y)$

$$\begin{aligned} & (6 \cdot -5)(x \cdot y) \\ & -30xy \quad \text{(B)} \end{aligned}$$

23) $20 + (-14) + (-4) + 8 + 17 + 3 / 6$

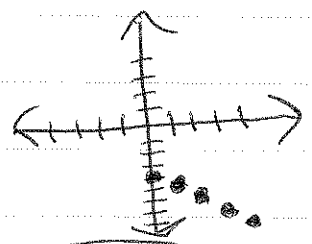
$$\begin{aligned} & 20 + 8 + 17 + 3 + (-14) + (-4) \\ & \underline{48 + (-18)} = \frac{30}{6} = 5 \quad \text{(D)} \end{aligned}$$

24) $\frac{31 + 46 + 27 + 30 + 16}{5} = \frac{150}{5} = 30 \quad \text{(B)}$

25)

x	y	(x,y)
4	-8	(4,-8)
3	-7	(3,-7)
2	-6	(2,-6)
1	-5	(1,-5)
0	-4	(0,-4)

$$\begin{aligned} 4 + ? &= -4 \\ 3 + ? &= -4 \\ 2 + ? &= -4 \\ 1 + ? &= -4 \\ 0 + ? &= -4 \end{aligned}$$



A works!

Bonus

$$\begin{aligned} & \underline{64 + -6 + 11 + -7} \\ & 58 + 11 + -7 \\ & 69 + -7 = 62 \end{aligned}$$

(otherwise, do table/graph for others)