Student Name _____ Pre-Alg. Ch. 3 Review

Parent Signature _____

1) $\frac{-8x}{-8} = \frac{-72}{-8}$ division (D)

2) $n - 7 = -8$ (C)

3) $(2+6)5$ $2 \cdot 5 + 6 \cdot 5$ (C)

4) $-4(m-3)$ $-4(m) - 4(-3)$ $-4m + 12$ (D)

5) $3x - 4y + 3x + 2y$ $3x + 3x - 4y + 2y$ $6x - 2y$ (B)

6) $2(x+4) + 3x$ $2(x) + 2(4) + 3x$ $2x + 8 + 3x$ $2x + 3x + 8$ $5x + 8$ (A)

7) $n + 5 = -13$ $-5 \quad -5$ $n = -18$ (B)

8) $23 = 15 + h$ $-15 \quad -15$ $8 = h$ (A)

9) $k - 35 = -16$ $+35 \quad +35$ $k = 19$ (C)

10) $x + 2$ (A)

11) constant (number with no variable) $3a + 3$ (D)

12) $P = 2l + 2w$ $P = 2 \cdot 12 + 2 \cdot 12$ $P = 24 + 24$ $P = 48\text{cm}$ (B)
Square, so $l = 12$ and $w = 12$

13) $A = l \cdot w$ $\frac{168}{14} = \frac{14 \cdot w}{14}$ $12\text{ft} = w$ (D)

14) $d = r \cdot t$ $d = 530 \cdot 2$ $d = 1060\text{mi}$ (C)

15) $d = r \cdot t$ $\frac{310}{124} = \frac{124 \cdot t}{124}$ $2.5h = t$ (B)

Memorize $d = r \cdot t$ $P = 2l + 2w$ $A = l \cdot w$

16) $\frac{-3q}{-3} = \frac{54}{-3}$ $q = -18$ (C)

17) $\frac{q}{-7} = -14$ (multiply by -7) $q = 98$ (A)

18) $2x - 5 = 37$ $+5 \quad +5$ (A)

19) $3c + 5 = 23$
$-5 \quad -5$
$\frac{3c}{3} = \frac{18}{3}$
$c = 6$
(D)

20) $-56 = 8 - 2w$
$-8 \quad -8$
$\frac{-64}{-2} = \frac{-2w}{-2}$
$32 = w$
(A)

21) $\frac{m}{4} - 6 = 15$
$+6 \quad +6$
$(4)\ \frac{m}{4} = 21\ (4)$
$m = 84$
(C)

22) $d - 4d + 6 = 33$
$-3d + 6 = 33$
$-6 \quad -6$
$\frac{-3d}{-3} = \frac{27}{-3}$
$d = -9$
(A)

23) $A = l \cdot w$
$\frac{800}{20} = \frac{l \cdot 20}{20}$
$40 = l$
$40\ ft$
(D)

$20 \overline{)800}$ 80 0

24) $55 + 12w = 343$
(B)

Bonus $A = l \cdot w$
$\frac{20}{5} = \frac{5 \cdot w}{5}$
$4 = width$
$P = 2l + 2w$
$P = 2 \cdot 5 + 2 \cdot 4$
$P = 10 + 8$
$P = 18\ in$

25) $55 + 12w = 175$
$-55 \quad -55$
$\frac{12w}{12} = \frac{120}{12}$
$w = 10$
(A)