

Student Name \_\_\_\_\_  
 Parent Sign \_\_\_\_\_

Algebra  
 1st 9 Weeks  
 Test Review

1)  $800 - 5n$

2) 
$$\begin{array}{r} 2x - 3 = 3x + 15 \\ -2x \quad -2x \\ \hline -3 = x + 15 \\ -15 \quad -15 \\ \hline -18 = x \end{array}$$

3) median (middle)  
 Eastern = 36  
 Western = 40

4)  $F = \frac{9}{5}C + 32$   
 $F = \frac{9}{5}(\frac{10}{1}) + 32$   
 $F = 18 + 32$   
 $F = 50^\circ$

5)  $[(3 \cdot 4) \div x] + 2$   
 $[(3 \cdot 4) \div 6] + 2$   
 $[12 \div 6] + 2$   
 $2 + 2$   
 $4$

6)  $3x + 2(5x - 3) = 6$   
 $3x + 10x - 6 = 6$   
 $13x - 6 = 6$   
 $13x = 12$   
 $x = \frac{12}{13}$

7)  $-5x - 2 \geq 13$   
 $+2 \quad +2$   
 $-5x \geq 15$   
 $\frac{-5x}{-5} \geq \frac{15}{-5}$   
 $x \leq -3$   
 (rev.)

8) 50%  
 9) 25%  
 10) 8

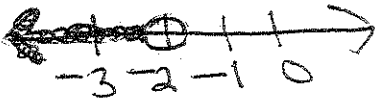
11) LQ = 6.5  
 UQ = 11  
 IQR = 11 - 6.5 = 4.5  
 Range = 12 - 5 = 7

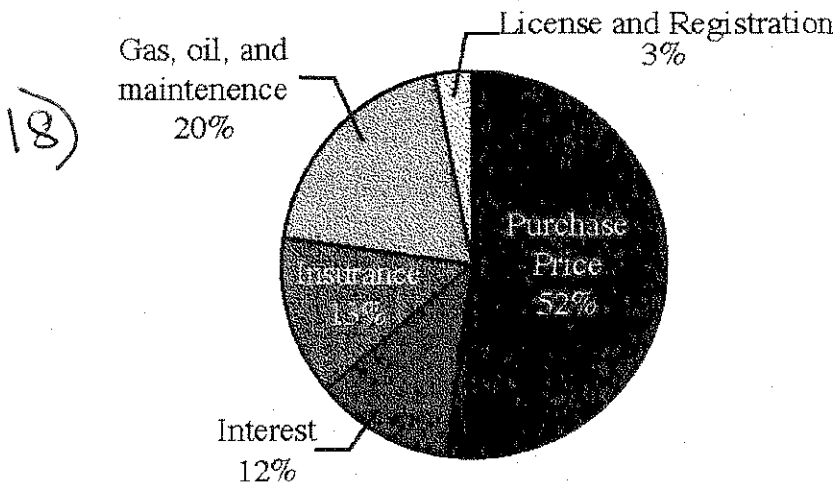
12)  $E = 10c - 10$   
 $0 = 10c - 10$   
 $+10 \quad +10$   
 $10 = 10c$   
 $1 = c$

13)  $-4(2x + 5)$   
 $-8x - 20$   
 14)  $9x - 3 + 5x + 10$   
 $9x + 5x - 3 + 10$   
 $14x + 7$

15)  $d = rt$   
 $\frac{350}{60} = \frac{60t}{60}$   
 $\frac{35}{6} = t$   
 $5\frac{5}{6} = t$

16)  $x - 7 = x + 5$   
 $-x \quad -x$   
 $-7 = 5$   
 false!  
 no solution

17)  $-5x + 2 > 12$   
 $-2 \quad -2$   
 $-5x > 10$   
 $\frac{-5x}{-5} > \frac{10}{-5}$   
 $x < -2$   
 (rev.)  




19)

$$2x^2 + 5y$$

$$2(5)^2 + 5(2)$$

$$2(25) + 5(2)$$

$$50 + 10$$

$$(60)$$

20)

$$3[6^2 - 3(4^2 - 6)]$$

$$3[36 - 3(16 - 6)]$$

$$3[36 - 3(10)]$$

$$3[36 - 30]$$

$$3[6]$$

$$(18)$$

21)

$$2y - 4y + 3 - 9y - 7 + 2 + 15y$$

$$2y - 4y - 9y + 15y + 3 - 7 + 2$$

$$(4y - 2)$$

22)

$$13 + 5 \cdot 6 - 2(3^2 - 8)^5$$

$$13 + 5 \cdot 6 - 2(9 - 8)^5$$

$$13 + 5 \cdot 6 - 2(1)^5$$

$$13 + 5 \cdot 6 - 2(1)$$

$$13 + 30 - 2$$

$$43 - 2$$

$$(41)$$

23)

$$|a - c| - |c|$$

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

$$|-2 + 4| - |-4|$$

$$|2| - |-4|$$

$$2 - 4$$

$$(-2)$$