Translate the following (There is nothing to solve in this section)
Use "n" to represent the number unless otherwise stated

16. A number increased by three is the same as five times the number decreased by eleven.

16. _____

17. Four times the sum of twice a number and three.

17. _____

18. Nine less than five times a number .

18. _____

19. The sum of a number squared and three.

19. _____

20. Eight more than five times a number squared.

20. _____

21. Two times the sum of six times the cube of a number and one is four less than nine times the number.

21. _____

22. The square of the difference of seven times a number and two is three more than five times the sum of the number and five.

22. _____

Order of Operation

1. $5\left[\frac{1}{2}+\left(\frac{3}{5}\bullet\frac{5}{6}\right)\div\frac{5}{8}\right]$

2. $\left(\frac{1}{3}\right)^2-\left[\frac{1}{3}-\frac{1}{4}\div\frac{5}{6}+\frac{1}{2}\right]$

Use the Distributive Property to simplify each expression.

3. $\frac{2}{5}(10k + 25) - \frac{3}{4}(12k - 8) + 2k$ 3._____

4. $-7 + 4(3g + 2) + 7(2g - 1) - 9g$ 4._____

5. $9(2t + 4) - 5(3t - 5)$ 5._____

6. $-(5r - 7) + 8(11r + 1)$ 6._____

7. $3(8x - 1) - 5(2x + 3)$ 7._____

Write the Solution Set to each of the following.

8. $5x + 7 < 2x$
   r = {-7, -1, 3, 4, 11} 8._____

9. $2x + 5 > x^2$
   r = {-1, 1, 2, 3, 4, 5,7} 9._____

10. $x^2 - 14 \geq x$
    r = {-5, -1, 3, 4, 11} 10._____

Perform the Indicated Unit Conversion
(Use two decimal places unless the answer is exceptionally small e.g. .000027 mi / cup)

11. Convert 65 miles per hour to feet per sec.

11. _____

12. Convert 72 km per week to meters per hour.

12. _____

13. Convert 210 miles per gallon to inches per cup.

13. _____

14. Convert 4,500 yards per pint to miles per gallon.

14. _____

15. Convert 55,000 km per week to meters per minute.

15. _____