Name:

Algebra

Review (1.5 – 1.8)

**Translate each phrase into a variable expression**

1. Two less than 4 times a number 2. The quotient of 3 and a number

3. The difference between 3 times a number and 6

4. Nine increased by twice a number

5. Seven times the difference of a number and 5

**Translate each sentence into an equation**

6. Three more than a number is eight

7. Two less than three times a number is eleven

8. The number x is seven more than one fourth of itself

9. Two times the quantity x minus 1 is 12

10. Nine times x is twice the sum of x and five

**Translate each problem into an equation, DO NOT SOLVE**

11. Shelley has $10 more than Michele. Together they have $50. How much money does each have?

12. Bart has twice as much money as Elmer. Together they have $75. How much money does each have?

13. Sandy sold four more cars than Michael. Together they sold a total of 14 cars. How many cars did each sell?

14. Joseph worked 8 hours less than Lois. Together they worked 72 hours. How many hours did each work?

15. Gloria spent $2 more for dinner than Lucy. Together they spent $26. How much did each spend?

**Write an equation to represent the given relationship**

16. The sum of three consecutive integers is -51

17. The product of two consecutive integers is 30

18. The sum of three consecutive even integers is 72

19. The sum of four consecutive even integers is -44

20. The product of two consecutive odd integers is 81.