Name _____ Date _____ Period _____

Evaluate the expression. <u>SHOW ALL WORK</u>!!!!

1. 4 + a when a = 6   2. 29 – h when h = 3   3. $\dfrac{p}{4}$ when p = 24

4. 8 + y^2 when y = 5   5. $\dfrac{2m+9}{m}$ when m = 4   6. $\dfrac{3x}{x-1}$ when x = 2

Write an expression.

7. 13 more than half a number   8. the difference of 41 and t

9. twice a number d   10. the sum of a number p and the
                                            square of a number b

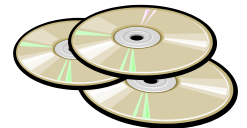## Write an equation or inequality.

11. The sum of twice a number b and 3 is 18. _____

12. Five less than 4 times a number j is 19. _____

13. The product of 4 and a number x is at least 21. _____

14. The difference of 11 and a number n is no more than 9. _____

15. You buy a storage rack that holds 40 CDs. You have 27 CDs. <u>Write an inequality</u> that describes how many more CDs you can buy and still have no more CDs than the rack can hold. You buy 15 CDs. <u>Will they all still fit</u>? (2 points)

Check whether the given number is a solution of the equation or inequality.

16. z – 4 = 9 ; 14   17. 3x – 9 ≥ 11 ;8

18. k – 7.2 < 10 ; 19   19. 5x + 1 < 13 ; 6