

Name _____ Date _____ Period _____

Evaluate the expression. SHOW ALL WORK!!!

1. $4 + a$ when $a = 6$

2. $29 - h$ when $h = 3$

3. $\frac{p}{4}$ when $p = 24$

4. $8 + y^2$ when $y = 5$

5. $\frac{2m+9}{m}$ when $m = 4$

6. $\frac{3x}{x-1}$ when $x = 2$

Write an expression.

7. 13 more than half a number

8. the difference of 43 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. Write an inequality that describes how many more CDs you can buy and still have no more CDs than the rack can hold. You buy 15 CDs, Will they all still fit? (2 points)



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

16. $x - 4 = 9$; 14

17. $3x - 9 \geq 11$; 8

18. $k - 7.2 < 10$; 19

19. $5x + 1 < 13$; 6