

Name: _____

Date: _____

HW # 13: Algebra 1 - Standard 8 - Literal Equations

5 points

Solve each equation or formula for the variable indicated. Show work needed to justify your answer.

1. $x - 2y = 1$, for y

3. $7f + g = 5$, for f

13. $fg - 9h = 10j$, for g

14. $10m - p = -n$, for m

16. $\frac{5}{9}v + w = z$, for v

18. $\frac{df + 10}{6} = g$, for f

21. SHOPPING Thomas went to the store to buy videogames for \$13.50 each and controllers. The total amount Thomas spent can be represented by $c = 13.50g + p$, where c is the total cost, g is the number of games he bought, and p is the cost of the controllers. The controllers cost \$55 and Thomas spent \$136 total.

- Solve the equation for g .
- Find how many games Thomas bought.