

NAME: _____

SOLVING 1-2 STEP EQUATIONS

Solve each equation. Check your answer.

1. $5a + 2 = 7$

4. $9 = 5 + 4t$

2. $2x + 3 = 7$

5. $4a + 1 = 13$

3. $3b + 6 = 12$

6. $-t + 2 = 12$

Write an equation to model each situation. Then solve.

7. You want to buy a bouquet of yellow roses and baby's breath for \$16. The baby's breath costs \$3.50 per bunch, and the roses cost \$2.50 each. You want one bunch of baby's breath and some roses for your bouquet. How many roses can you buy?

8. Suppose you want to buy one pair of pants and several pairs of socks. The pants cost \$24.95, and the socks are \$5.95 per pair. How many pairs of socks can you buy if you have \$50.00 to spend?

Solve each equation. Check your answer.

9. $67 = -3y + 16$

11. $\frac{m}{9} + 7 = 3$

13. $3x - 7 = 35$

15. $9f + 16 = 70$

17. $-67 = -8n + 5$

19. $2x + 23 = 49$

10. $-d + 7 = 3$

12. $5z + 9 = -21$

14. $4s - 13 = 51$

16. $-c + 2 = 5$

18. $22 = 7 - 3a$

20. $\frac{x}{2} + 8 = -3$

Justify each step.

21. $24 - x = -16$

a. $24 - x - 24 = -16 - 24$ _____

b. $-x = -40$ _____

c. $-1(-x) = -1(-40)$ _____

d. $x = 40$ _____

22. $\frac{x}{7} + 4 = 15$

a. $\frac{x}{7} + 4 - 4 = 15 - 4$ _____

b. $\frac{x}{7} = 11$ _____

c. $7(\frac{x}{7}) = 7(11)$ _____

d. $x = 77$ _____