
Homework 6-2
Multi-Step Equations

Unit 6

Solve each inequality for the variable.

1. $x + 5 \leq -17$

3. $r - 8 < -3$

5. $5g > -25$

2. $18 > -3y$

4. $12 \geq \frac{c}{3}$

6. $\frac{w}{-7} \leq 3$

Solve each equation for the variable.

7. $-5y - 12 + 7y = 22$

12. $48 = 9 - 14g - 3$

8. $m + 4 - 6m = 39$

13. $-56 = 14(3d - 1)$

9. $16 = 2(x - 3)$

14. $4(r + 5) = -36$

10. $-9x - 21 = 19 - 4x$

15. $3k - 2.4 + 8.1 = 3.3$

11. $-5(g - 12) = 20$

16. $33 = 3(h + 6)$

$$17. -2 + 8d = 13d - 12$$

$$19. \frac{4}{7}y - 8 = \frac{2}{7}y + 10$$

$$18. -9(2n + 4) = 72$$

$$20. 7a - 10.3 + 4.9 = 1.6$$