

Topic: Solve literal equations that require more than one step.

Solve for the indicated variable. Show your work!!!

1. Solve for h . $Q = 25\pi h$

2. Solve for m . $y = 7m + 6$

3. Solve for z . $A = (z + 7)3$

4. Solve for x . $\frac{x+2}{7} = 4$

5. Solve for x . $\frac{2x}{5} - 9 = 6$

6. Solve for x . $\frac{3}{4}(x - 2) = 12$

Solve each equation for x . Provide the justifications for each step.

7. $8x - 2 = -9 + 6x$

8. $5p - 14 = 9p + 4$

9. $3d - 4 = -9 + d$

10. $5n + 3 = -2(1 - 3n)$

11. $2(4x - 3) - 8 = 4 + 6x$

12. $-3(4h + 3) + 4(6h + 1) = 12$