

3.3 – Solve Multi-Step Equations

Solve each equation. Show all steps and circle your solution.

1. $4 = \frac{2}{3}x + 9 - \frac{1}{3}x$

2. $10 = -\frac{2}{3}(4x + 5)$

3. $-8 = \frac{1}{3}x + x$

4. $5x + 4 - 8x = 13$

5. $3x + 2(x + 5) = 15$

6. $4x - (2x + 3) = 7$

7. $x - (3x - 9) = -5$

8. $13x - 4(2x - 5) = 15$

9. $\frac{1}{2}x + \frac{2}{5}(x - 2) = -1$

10. $4x - (x + 3) = 6$

11. $x - 2(3x - 9) = -7$

12. $-14x - 4(2x - 5) = 9$