Unit 2 - Solving Multi-Step Equations

Solve each two-step equation. Show your work.

1. $6x + 7 = 25$

2. $\dfrac{x}{8} + 14 = 16$

3. $3x + 11 = 29$

4. $3x + 11 = 41$

5. $\dfrac{x}{2} - 1 = 9$

6. $\dfrac{x}{2} + 6 = 13$

7. $12x - 2 = 166$

8. $\dfrac{x}{3} - 1 = 3$

9. $10x - 17 = 103$

10. $7x + 19 = 68$

Unit 2 - Solving Multi-Step Equations

Solve each two-step equation. Show your work.

11. $6x + 12 = 30$

12. $\dfrac{x}{4} - 1 = 2$

13. $10x + 8 = 118$

14. $8x - 20 = 28$

15. $\dfrac{x}{4} - 1 = 0$

16. $\dfrac{x}{4} - 3 = 1$

Unit 2 - Solving Multi-Step Equations - Answer Key

1. $6x + 7 = 25$

   x = 3

2. $\dfrac{x}{8} + 14 = 16$

   x = 16

3. $3x + 11 = 29$

   x = 6

4. $3x + 11 = 41$

   x = 10

5. $\dfrac{x}{2} - 1 = 9$

   x = 20

6. $\dfrac{x}{2} + 6 = 13$

   x = 14

7. $12x - 2 = 166$

   x = 14

8. $\dfrac{x}{3} - 1 = 3$

   x = 12

9. $10x - 17 = 103$

   x = 12

10. $7x + 19 = 68$

    x = 7

Unit 2 - Solving Multi-Step Equations - Answer Key

11. $6x + 12 = 30$

    x = 3

12. $\dfrac{x}{4} - 1 = 2$

    x = 12

13. $10x + 8 = 118$

    x = 11

14. $8x - 20 = 28$

    x = 6

15. $\dfrac{x}{4} - 1 = 0$

    x = 4

16. $\dfrac{x}{4} - 3 = 1$

    x = 16