

3.1**Practice**

For use with pages 119-124

Tell whether the given value of the variable is a solution of the equation.

1. $6x - 7 = 17; x = 4$

2. $1 = 4x + 9; x = -2$

3. $8 - 3x = 5; x = -1$

4. $-15 = -3x + 15; x = 5$

5. $\frac{x}{5} - 6 = -2; x = 20$

6. $-6 = \frac{x}{2} - 7; x = -2$

Solve the equation. Check your solution.

7. $7x + 12 = 26$

8. $2x + 9 = -5$

9. $-4 = 9x + 23$

10. $-10 = 6x - 16$

11. $25 - 3x = -8$

12. $4x - 15 = 25$

13. $70 = 19 - 3x$

14. $-2x - 47 = -11$

15. $-14 = -22 - \frac{x}{3}$

16. $\frac{x}{12} + 13 = 18$

17. $-10 = 8 - \frac{x}{7}$

18. $3 = \frac{x}{25} + 6$

19. $250 = 124 - 3x$

20. $-\frac{x}{9} - 12 = -23$

21. $56 - \frac{x}{15} = 47$