

Simple Equations

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|-----------------------|----------------------------------|---------------------|------------------|
| $3x + 2 = 8$ | $4x + 5 = 17$ | $2x - 5 = 13$ | $5x - 7 = 8$ |
| 1. $3x = 6$ | 2. $4x = 12$ | 3. $2x = 18$ | 4. $5x = 15$ |
| $x = 2$ | $x = 3$ | $x = 9$ | $x = 3$ |
| $3x + 6 = 36$ | $4x + 9 = 29$ | $-2x + 6 = 12$ | $-3x + 4 = 16$ |
| 5. $3x = 30$ | 6. $4x = 20$ | 7. $-2x = 6$ | 8. $-3x = 12$ |
| $x = 10$ | $x = 5$ | $x = -3$ | $x = -4$ |
| $-7x + 3 = 17$ | $-6x - 12 = 18$ | $4x - 5 = -13$ | $5x + 6 = -14$ |
| 9. $-7x = 14$ | 10. $-6x = 30$ | 11. $4x = -8$ | 12. $5x = -20$ |
| $x = -2$ | $x = -5$ | $x = -2$ | $x = -4$ |
| $-7x - 6 = -20$ | $-9x + 3 = -15$ | $5x = 3x + 12$ | $7x = 16 + 3x$ |
| 13. $-7x = -14$ | 14. $-9x = -18$ | 15. $2x = 12$ | 16. $4x = 16$ |
| $x = 2$ | $x = 2$ | $x = 6$ | $x = 4$ |
| $6x + 6 = 4x$ | $9x + 12 = 6x$ | $-4x + 5 = -3x$ | $-6x + 14 = -4x$ |
| 17. $2x = -6$ | 18. $3x = -12$ | 19. $-x = -5$ | 20. $-2x = -14$ |
| $x = -3$ | $x = -4$ | $x = 5$ | $x = 7$ |
| 21. $3x + 6 = 2x + 5$ | $5x + 7 = 3x + 11$ | $8x + 13 = 5x + 11$ | |
| $x = -1$ | 22. $2x = 4$ | 23. $3x = -2$ | |
| | $x = 2$ | $x = \frac{-2}{3}$ | |
| $9x + 20 = 6x + 12$ | $7x + 4 = -2x + 16$ | $8x - 12 = 5x + 6$ | |
| 24. $3x = -8$ | 25. $9x = 12$ | 26. $3x = 18$ | |
| $x = \frac{-8}{3}$ | $x = \frac{12}{9} = \frac{4}{3}$ | $x = 6$ | |

$$9x - 4 = -2x + 14$$

$$27. 11x = 18$$

$$x = \frac{18}{11}$$

$$-4x + 6 = 5x + 3$$

$$28. -9x = -3$$

$$x = \frac{-3}{-9} = \frac{1}{3}$$

$$-2x + 4 = -5x + 12$$

$$29. 3x = 8$$

$$x = \frac{8}{3}$$

$$30. \begin{array}{l} 4x + 9 = -3x + 11 \\ 7x = 2 \\ x = \frac{2}{7} \end{array}$$