Simple Equations

$4x + 2 = 9$

1. $4x = 7$

   $x = \dfrac{7}{4}$

$3x + 2 = 19$

2. $3x = 17$

   $x = \dfrac{17}{3}$

$5x - 2 = 11$

3. $5x = 13$

   $x = \dfrac{13}{5}$

$4x - 7 = 12$

4. $4x = 19$

   $x = \dfrac{19}{4}$

$4x + 8 = 40$

5. $4x = 32$

   $x = 8$

$3x + 9 = 27$

6. $3x = 18$

   $x = 6$

$-3x + 6 = 18$

7. $-3x = 12$

   $x = -4$

$-3x + 5 = 35$

8. $-3x = 30$

   $x = -10$

$-6x + 4 = 28$

9. $-6x = 24$

   $x = -4$

$-6x - 10 = 26$

10. $-6x = 36$

    $x = -6$

$3x - 9 = -36$

11. $3x = -27$

    $x = -9$

$5x + 16 = -14$

12. $5x = -30$

    $x = -6$

$-7x - 5 = -40$

13. $-7x = -35$

    $x = 5$

$-8x + 17 = -15$

14. $-8x = -32$

    $x = 4$

$5x = 2x + 18$

15. $3x = 18$

    $x = 6$

$7x = 24 + 4x$

16. $3x = 24$

    $x = 8$

$8x + 16 = 4x$

17. $4x = -16$

    $x = -4$

$9x + 28 = 5x$

18. $4x = -28$

    $x = -7$

19. $\begin{aligned} -4x + 5 &= -5x \\ x &= -5 \end{aligned}$

$-6x + 30 = -3x$

20. $-3x = -30$

    $x = 10$

$3x + 6 = 5x + 7$

21. $-2x = 1$

    $x = -\dfrac{1}{2}$

$9x + 3 = 3x + 21$

22. $6x = 18$

    $x = 3$

$8x - 16 = -5x + 11$

23. $13x = 27$

    $x = \dfrac{27}{13}$

$9x + 30 = 5x + 22$

24. $4x = -8$

    $x = -2$

$5x - 4 = -2x + 17$

25. $3x = 21$

    $x = 7$

$8x - 21 = 5x + 6$

26. $3x = 27$

    $x = 9$

$9x - 4 = -2x + 29$

27. $11x = 33$

$x = 11$

$-4x + 6 = -6x + 20$

28. $2x = 14$

$x = 7$

$-8x + 4 = -5x + 11$

29. $-3x = 7$

$x = -\dfrac{7}{3}$

$4x - 9 = -6x + 41$

30. $10x = 50$

$x = 5$