

Multi-Step Equations

Solve each equation.

1) $-20 = -4x - 6x$

{2}

3) $8x - 2 = -9 + 7x$

{-7}

5) $4m - 4 = 4m$

No solution.

7) $5p - 14 = 8p + 4$

{-6}

9) $-8 = -(x + 4)$

{4}

11) $14 = -(p - 8)$

{-6}

13) $-18 - 6k = 6(1 + 3k)$

{-1}

15) $2(4x - 3) - 8 = 4 + 2x$

{3}

17) $-(1 + 7x) - 6(-7 - x) = 36$

{5}

19) $24a - 22 = -4(1 - 6a)$

No solution.

2) $6 = 1 - 2n + 5$

{0}

4) $a + 5 = -5a + 5$

{0}

6) $p - 1 = 5p + 3p - 8$

{1}

8) $p - 4 = -9 + p$

No solution.

10) $12 = -4(-6x - 3)$

{0}

12) $-(7 - 4x) = 9$

{4}

14) $5n + 34 = -2(1 - 7n)$

{4}

16) $3n - 5 = -8(6 + 5n)$

{-1}

18) $-3(4x + 3) + 4(6x + 1) = 43$

{4}

20) $-5(1 - 5x) + 5(-8x - 2) = -4x - 8x$

{-5}