

① $x^2 - 25 = 0$ $x = \pm 5$

② $x^2 - 7 = 0$ $x = \pm\sqrt{7}$

③ $16x^2 = 9$ $x = \pm\frac{3}{4}$

④ $x^2 - 20 = 0$ $x = \pm 2\sqrt{5}$

⑤ $81x^2 = 7$ $x = \pm\frac{\sqrt{7}}{9}$

⑥ $5x^2 - 2 = 0$ $x = \pm\frac{\sqrt{10}}{5}$

⑦ $x^2 - 54 = 0$ $x = \pm 3\sqrt{6}$

⑧ $x^2 - 3 = 1$ $x = \pm 2$

⑨ $x^2 + 2 = 7$ $x = \pm\sqrt{5}$

⑩ $x^2 - 5 = 13$ $x = \pm 3\sqrt{2}$

⑪ $49x^2 + 4 = 20$ $x = \pm\frac{4}{7}$

⑫ $50x^2 - 9 = 3$ $x = \pm\frac{\sqrt{6}}{5}$

⑬ $6x^2 + 7 = 28$ $x = \pm\frac{\sqrt{14}}{2}$

⑭ $20x^2 - 8 = 2x^2$ $x = \pm\frac{2}{3}$

⑮ $16x^2 - 54 = 4x^2$ $x = \pm\frac{3\sqrt{2}}{2}$

① $(x+7)^2 = 1$ $x = -6, -8$

② $(x+6)^2 = 49$ $x = 1, -13$

③ $(x-3)^2 = 2$ $x = 3 \pm \sqrt{2}$

④ $(x+4)^2 = 12$ $x = -4 \pm 2\sqrt{3}$

⑤ $(x-8)^2 = 80$ $x = 8 \pm 4\sqrt{5}$

⑥ $(x-6)^2 - 64 = 0$ $x = 14, -2$

⑦ $(x+5)^2 - 27 = 0$ $x = -5 \pm 3\sqrt{3}$

⑧ $(x-8)(x+6) = 0$ $x = 8, -6$

⑨ $(x+5)(x-1) = 0$ $x = -5, 1$

⑩ $x(3x+5) = 0$ $x = 0, -\frac{5}{3}$

⑪ $5x(2x-7) = 0$ $x = 0, \frac{7}{2}$

⑫ $-x(4x-8) = 0$ $x = 0, 2$

⑬ $(3x-9)(6x-1) = 0$ $x = 3, \frac{1}{6}$

⑭ $(2x-1)(9x-7) = 0$ $x = \frac{1}{2}, \frac{7}{9}$

⑮ $(8x-3)(6x-4) = 0$ $x = \frac{3}{8}, \frac{2}{3}$

① $x^2 - 6x = 0$ $x = 0, 6$
 $x(x-6) = 0$

② $x^2 = 15x$ $x = 0, 15$
 $x(x-15) = 0$

③ $2x^2 - 7x = 0$ $x = 0, \frac{7}{2}$
 $x(2x-7) = 0$

④ $x^2 - 7x + 6 = 0$ $x = 6, 1$
 $(x-6)(x-1) = 0$

⑤ $x^2 + x - 6 = 0$ $x = -3, 2$
 $(x+3)(x-2) = 0$

⑥ $x^2 + 4x + 4 = 0$ $x = -2$
 $(x+2)(x+2) = 0$

⑦ $2x^2 + 10x + 8 = 0$ $x = -4, -1$
 $x^2 + 5x + 4 = 0$
 $(x+4)(x+1) = 0$

⑧ $16x^2 - 24x + 9 = 0$ $x = \frac{3}{4}$
 $(4x-3)^2 = 0$

⑨ $4x^2 + 4x + 1 = 0$ $x = -\frac{1}{2}$
 $(2x+1)^2 = 0$

⑩ $(x+1)(x+3) = 8$ $x = 1, -5$

⑪ $x(x-3) = 10$ $x = 5, -2$

⑫ $x(x+5) = 3x+8$ $x = 2, -4$

⑬ $(x+5)^2 = 2x+10$ $x = -3, -5$

⑭ $(x-2)(x-4) = 8$ $x = 0, 6$

⑮ $(x+3)^2 = x+5$ $x = -1, -4$

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