

Solve these quadratic equations by **factoring**.

1. $(x+3)(2x-7) = 0$

2. $x^2 - 2x - 15 = 0$

3. $3x^2 - 7x + 4 = 0$

4. $81x^2 - 4 = 0$

5. $x^3 - 3x^2 - 4x + 12 = 0$

Solve these quadratic equations by **square rooting**.

1. $x^2 - 60 = 0$

2. $4x^2 - 8 = 0$

3. $x^2 = -8$

4. $3x^2 = 36$

5. $49x^2 = 64$

Solve these quadratic equations using any method you want!

1. $4x(x+3)(x-6) = 0$

2. $4x^2 - 80 = 0$

3. $2x^3 + 8x^2 + 8x = 0$

4. $x^2 + 8x - 20 = 0$

5. $x^2 - 100 = 0$

6. $4x^6 - 8x^5 = 0$

7. $4x^2 - 32 = 0$

8. $4x^3 + 24x^2 - x - 6 = 0$

9. $3x^2 + 17x - 28 = 0$

10. $16x^2 - 25 = 0$

11. $x^3 - 24x = 0$

12. $2x^4 - 24x^2 = 0$