

$$\text{The Quadratic Formula: } x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Use the Quadratic Formula to find the zeros of each quadratic equation.

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

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

3. $x^2 - 8x + 16 = 0$

4. $x^2 - 16 = 0$

5. $x^2 - 36 = 0$

6. $x^2 + 5x = 0$

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

8. $6x^2 - 13x + 6 = 0$

9. $16x^2 - 9 = 0$

10. $x^2 + 7x = -10$

11. $x^2 + 9 = 6x$

12. $x^2 = -5x - 4$

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Answers

1.	$\{-2, -1\}$
2.	$\{-2, 4\}$
3.	$\{4\}$
4.	$\{-4, 4\}$
5.	$\{-6, 6\}$
6.	$\{-5, 0\}$
7.	$\left\{-\frac{1}{2}, 2\right\}$
8.	$\left\{\frac{2}{3}, \frac{3}{2}\right\}$
9.	$\left\{-\frac{3}{4}, \frac{3}{4}\right\}$
10.	$\{-5, -2\}$
11.	$\{3\}$
12.	$\{-4, -1\}$