

Solving Quadratics Using the Formula

Solve these quadratic equations, giving your answers to 2 decimal places.

- (a) $x^2 + 5x + 1 = 0$
- (b) $x^2 - 5x + 1 = 0$
- (c) $2x^2 + 5x + 1 = 0$
- (d) $2x^2 - 7x - 6 = 0$
- (e) $4x^2 + x - 6 = 0$
- (f) $4x^2 + 9x - 2 = 0$

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- (c) $5x^2 = 11x + 3$
- (d) $2x^2 = 3 - 5x$

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Solve these quadratic equations, leaving your answers in surd form.

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- (b) $7x^2 + 3x = 2$
- (c) $x^2 + 3x - 6 = 0$
- (d) $7x^2 + 12x + 2 = 0$

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What is the quadratic equation?

(b) Solve the equation

$$x + \frac{3}{x} = 7$$

Give your answers correct to 2 decimal places.

(c) What is special about the solutions to the equation

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