Chapter 2

Quadratics

Chapter Overview

1. Solving Quadratic Equations

2. Quadratic Functions

3. Quadratic Graphs

4. The Discriminant

5. Modelling with Quadratics



Solving Quadratic Equations

Examples

1. $\left(x-1\right)^{2}=5$ 2. $x^{2}+5x-6=0$

3. Solve $x-6\sqrt{x}+8=0$ 4. $x^{2}+5x-6=0$

Test your understanding

1. $\left(x+3\right)^{2}=x+5$ 2. $\left(2x+1\right)^{2}=5$

3. $\sqrt{x+3}=x-3$ 4. $2x+\sqrt{x}-1=0$

Extension



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