# Week 5: Quadratics equations

Try these exercises now.

Solve

1. $x^2 = 9$

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

3. $3x^2 + 7x - 6 = 0$

4. $6x^2 = x + 2$

5. $4a^2 - 25 = 0$

6. $12y^2 - 10 = 26y$

7. $6a^2 - 15a = 0$

8. $3b^2 + 5b = 3$

9. $-4x^2 + 2x + 1 = 0$

10. Sketch the curves (a) $y = x^2 - 2x - 8$, (b) $y = 3x^2 + 7x - 6$, and (c) $y = -4x^2 + 2x + 1$.