

# QT Factorise Harder Quadratics



1. Factorise  $2a^2 + 7a + 6$

(2 marks)

2. Factorise  $2d^2 + 3d - 9$

(2 marks)

3. Solve  $2t^2 + 18t + 28 = 0$

(2 marks)

4. Factorise  $2x^2 + 18x + 36$

(2 marks)

# QT Factorise Harder Quadratics



5. Factorise  $3x^2 - 8x - 3$

(2 marks)

6. Solve  $3d^2 + 39d + 120 = 0$

(2 marks)

7. Factorise  $5p^2 - 36p + 7$

(2 marks)

# QT Factorise Harder Quadratics



8. Factorise  $5w^2 - 11w + 6$

(2 marks)

9. Solve  $7x^2 + 66x + 80 = 0$

(3 marks)

10. Solve  $15e^2 - 22e + 8 = 0$

(3 marks)

# QT Factorise Harder Quadratics



11. Factorise fully  $2x^2 - 128$

(3 marks)

12. Factorise fully  $5x^2 - 125$

(3 marks)

13. Factorise  $p^2 + 2pq + q^2$

(3 marks)

14. Factorise  $2a^2 - 18ab + 28b^2$

(3 marks)