



QT Factorise

Factorise fully

1. $6x + 24$

$$6(x + 4)$$

3. $5m + 25$

$$5(m + 5)$$

5. $8mp - 12m^2$

$$4m(2p - 3m)$$

7. $7ab + 21b$

$$7b(a + 3)$$

9. $16x + 40$

$$8(2x + 5)$$

11. $18y - 9$

$$9(2y - 1)$$

13. $6x^2 - 26y^2$

$$2(3x^2 - 13y^2)$$

15. $16x^2y + 40xy^2$

$$8xy(2x + 5y)$$

2. $y^2 - 9y$

$$y(y - 9)$$

4. $3v - v^2$

$$v(3 - v)$$

6. $14ab - 21bc$

$$7b(2a - 3c)$$

8. $5t^2 + 35t$

$$5t(t + 7)$$

10. $6xy + 16x^2$

$$2x(3y + 8x)$$

12. $15y - 30y^2$

$$15y(1 - 2y)$$

14. $7abc + 14ab$

$$7ab(c + 2)$$

16. $8a^3b - 16ayb^3$

$$8ab(a^2 - 2yb^2)$$