

Name: _____

Date: _____

Factorise each of the following expressions completely.

1. Factorise $2x^2 + 3x + 1$

$$\frac{(2x + 1)(x + 1)}{(2)}$$

2. Factorise $3x^2 + 7x + 2$

$$\frac{(3x + 1)(x + 2)}{(2)}$$

3. Factorise $2x^2 - 7x + 3$

$$\frac{(2x - 1)(x - 3)}{(2)}$$

4. Factorise $3x^2 + x - 2$

$$\frac{(3x - 2)(x + 1)}{(2)}$$

5. Factorise $6x^2 + 7x + 2$

$$\frac{(3x + 2)(2x + 1)}{(2)}$$

6. Factorise $2x^2 + 7x + 3$

$$\frac{(2x + 1)(x + 3)}{(2)}$$

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

$$\frac{(2x + 1)(x - 3)}{(2)}$$

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

$$\frac{(3x + 2)(x - 1)}{(2)}$$

9. Factorise $5x^2 - 17x + 6$

$$\frac{(5x - 2)(x - 3)}{(2)}$$

10. Factorise $6x^2 + x - 2$

$$\frac{(3x + 2)(2x - 1)}{(2)}$$

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

$$\frac{(4x + 3)(2x - 1)}{(2)}$$

12. Factorise $8x^2 + 14x + 3$

$$\frac{(4x + 1)(2x + 3)}{(2)}$$

