Factorising quadratics

1. Factorise $x^2 + 7x + 10$

(2 marks)

2. Factorise $x^2 + 9x + 18$

(2 marks)

3. Factorise $x^2 + 10x + 9$

(2 marks)

4. Factorise $x^2 + 11x + 24$

(2 marks)

Factorising quadratics

5. Factorise $x^2 + 3x - 10$

(2 marks)

6. Factorise $x^2 - x - 56$

(2 marks)

7. Factorise $x^2 - 6x - 55$

(2 marks)

8. Factorise $x^2 + 3x - 28$

(2 marks)

Factorising quadratics

9. Factorise $x^2 - 10x + 24$

(2 marks)

Factorise $x^2 - 14x + 24$

(2 marks)

10. Factorise $x^2 - 13x + 30$

(2 marks)

11. Factorise $x^2 - 13x + 40$

(2 marks)

Factorising quadratics

12. Factorise $x^2 - 25$

(2 marks)

13. Factorise $x^2 - 144$

(2 marks)

14. Factorise $x^2 - 81$

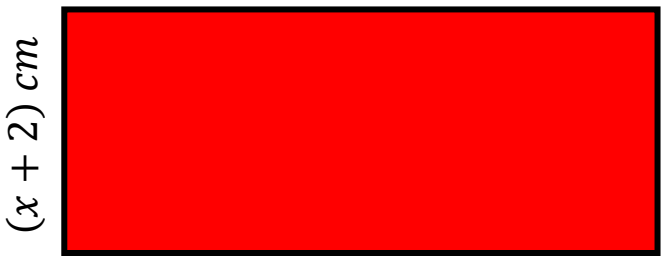
(2 marks)

15. Factorise $x^2 - 169$

(2 marks)

Factorising quadratics

16. The expression for area of the rectangle is $x^2 + 9x + 14\ cm^2$.
One of the width of the rectangle is $(x + 2)cm$, find the length.



(2 marks)

17. Tommy is doing his maths homework.
Has he factorised it correctly?
Give reasons for your answer.

Factorise:

$x^2 - 10x - 24$

$(x - 4)(x - 6)$

Factorising quadratics

(2 marks)

18. Match up the expression with the correct factorisation.

$x^2 + 13x - 30$	$(x + 6)(x - 5)$
$x^2 - 7x + 12$	$(x - 4)(x - 3)$
$x^2 + 4x - 12$	$(x + 15)(x - 2)$
$x^2 + x - 30$	$(x + 6)(x - 2)$

(4 marks)