



Factorising Quadratics (monic)

Exam Style Questions

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

..... (2 marks)

2. Factorise $x^2 + 7x + 12$

..... (2 marks)

3. Factorise $x^2 + 10x + 24$

..... (2 marks)



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4. Factorise $x^2 + 6x + 9$

..... (2 marks)

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

..... (2 marks)

6. Factorise $x^2 + x - 12$

..... (2 marks)



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

..... (2 marks)

8. Factorise $x^2 - 6x + 8$

..... (2 marks)

9. Factorise $x^2 - 3x - 18$

..... (2 marks)



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10. Factorise $x^2 - 5x - 84$

..... (2 marks)

11. Factorise $x^2 - 12x + 36$

..... (2 marks)

12. Factorise $x^2 - 9$

..... (2 marks)



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13. Factorise $x^2 - 64$

..... (2 marks)

14. Factorise $x^2 - 169$

..... (2 marks)

15. Factorise $x^2 - 196$

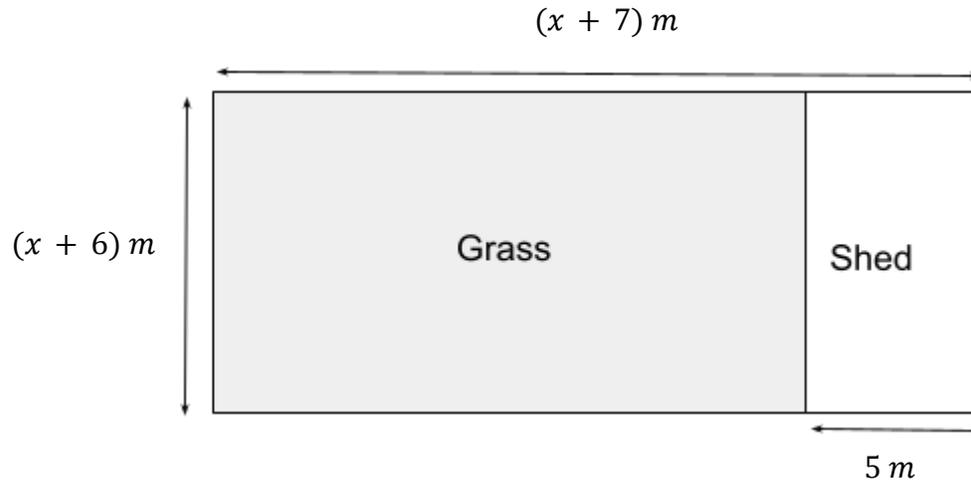
..... (2 marks)



JP Maths Revision

16. Anita's garden is rectangular in shape and has length $(x + 7) m$ and width $(x + 6) m$. At the end of her garden, she has a shed of length $(x + 6) m$ and width $5 m$. The rest of her garden is made up of grass.

Show that the area of the grass can be written in the form $(x + a)(x + b) m^2$, where a and b are integers to be determined.



..... (5 marks)
