



SCAN ME

Completing the Square (Tricky ones!)



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← REVISE THIS TOPIC

→ CHECK YOUR ANSWERS

1 Write $2x^2 + 4x + 9$ in the form $a(x + b)^2 + c$

.....
(Total for Question 1 is 3 marks)

2 Write $3x^2 + 12x + 10$ in the form $a(x + b)^2 - c$

.....
(Total for Question 2 is 3 marks)

3 Write $2x^2 + 12x + 39$ in the form $a(x + b)^2 + c$

.....
(Total for Question 3 is 3 marks)



4 Write $5x^2 - 40x + 21$ in the form $a(x - b)^2 - c$

.....
(Total for Question 4 is 3 marks)

5 Write $9x^2 - 18x - 7$ in the form $a(x - b)^2 - c$

.....
(Total for Question 5 is 3 marks)

6 Write $4x^2 + 40x - 1$ in the form $a(x + b)^2 - c$

.....
(Total for Question 6 is 3 marks)

7 Write $3x^2 - 48x + 200$ in the form $a(x - b)^2 + c$

.....
(Total for Question 7 is 3 marks)



8 Write $3x^2 + 9x + 10$ in the form $a(x + b)^2 + c$

.....
(Total for Question 8 is 4 marks)

9 Write $2x^2 + 14x - 3$ in the form $a(x + b)^2 - c$

.....
(Total for Question 9 is 4 marks)

10 Write $6x^2 - 30x - 5$ in the form $a(x - b)^2 - c$

.....
(Total for Question 10 is 4 marks)

