

Algebra: Quadratics, Rearranging Formulae and Identities

Non-Calculator 10 minute test 2

Answer all questions.

1 (a) Expand $2y(x - 3y^2)$

[2 marks]

Answer _____

1 (b) Factorise $8x + 3x^2$

[1 mark]

Answer _____

2 Simplify

[3 marks]

2 (a) $a^6 \times a^3$

Answer _____

2 (b) $\frac{a^6}{a^3}$

Answer _____

2 (c) $(a^6)^3$

Answer _____

3 Factorise $x^2 + 2x - 15$

[2 marks]

Answer _____

4 Expand $(y + 4)(y - 3)$

[2 marks]

Answer _____

5 Make x the subject of $ax - by = cx - dy$

[3 marks]

Answer _____