EXAM PAPERS PRACTICE

GCSE Edexcel Math
1MA1
Expanding Quadratics

Question Paper

"We will help you to achieve A Star "

Question 1

Expand and simplify $(p + 9)(p - 4)$

[2 marks]

Question 2

Expand and simplify $(m + 3)(m + 10)$

[2 marks]

Question 3

Expand and simplify $(y - 2)(y - 5)$

[2 marks]

Question 4

Expand and simplify $(m + 7)(m + 3)$

[2 marks]

Question 5

Expand and simplify $(x + 4)(x + 6)$

[2 marks]

Question 6

Expand and simplify $(2x + 1)(x - 4)$

[2 marks]

Question 7

Expand $3y(4y - 3)$

[1 mark]

Question 8

Expand and simplify $(w - 5)^2$

[2 marks]

Question 9

Expand and simplify $(2y + 3)(4y - 1)$

[2 marks]

Question 10

Expand and simplify $(2x + 3)(x - 8)$

[2 marks]

Question 11

Show that $(x + 1)(x + 2)(x + 3)$ can be written in the form $ax^3 + bx^2 + cx + d$ where a, b, c and d are positive integers.

[3 marks]

Question 12

Simplify fully $(\sqrt{a} + \sqrt{4b})(\sqrt{a} - 2\sqrt{b})$

[3 marks]

Question 13

Expand the brackets and simplify.

$$(x+4)^2 + 5(3x+2)$$

[3 marks]

Question 14

Show that

$$(3x - 1)(x + 5)(4x - 3) = 12x^3 + 47x^2 - 62x + 15$$

for all values of x.

[3 marks]

Question 15

Expand and simplify $(3x - 2y)(x + 2y)$

[2 marks]