

EXPANDING AND FACTORISING QUADRATICS

Pearson Edexcel - Thursday 8 November 2018 - Paper 2 (Calculator) Foundation Tier

1.

26 (a) Expand and simplify $(5x + 2)(2x - 3)$

.....
(2)

(b) Factorise $x^2 + 4x + 3$

.....
(2)

.....
(Total for Question 26 is 4 marks)
.....

Pearson Edexcel - Monday 6 November 2017 - Paper 2 (Calculator) Foundation Tier

2.

24 (a) Solve $2x^2 = 72$

.....
(2)

(b) Expand and simplify $(2x + 1)(3x - 2)$

.....
(2)

(c) Factorise $x^2 + 6x + 9$

.....
(1)

(Total for Question 24 is 5 marks)

Pearson Edexcel – Specimen 1 - Paper 3 (Calculator) Foundation Tier

3.

26 Factorise $x^2 + 3x - 4$

.....
(Total for Question 26 is 2 marks)

OCR Thursday 07 November 2019- Morning (Non-Calculator) Foundation Tier

4.

18 Solve by factorising.

$$x^2 + 9x + 20 = 0$$

$x = \dots\dots\dots$ or $x = \dots\dots\dots$ [3]

OCR Thursday 8 November 2018 – Morning (Non-Calculator) Foundation Tier

5.

15 (a) Multiply out.

$$(3x - 2y)(x + y)$$

Give your answer in its simplest form.

(a) [3]

(b) $3(2x + d) + c(x + 5) = 10x + 17$

Work out the value of c and the value of d .

(b) $c =$

$d =$ [5]

(c) Solve by factorising.

$$x^2 - 7x + 10 = 0$$

(c) $x =$ or $x =$ [3]

OCR Thursday 7 June 2018 – Morning (Non Calculator) Foundation Tier

6.

12 (a) Multiply out.

$$4c(d - 5)$$

(a) [2]

(b) Multiply out and simplify.

$$(3x + 2)(x - 4)$$

(b) [2]

(c) Solve.

$$3x - 2 \leq 22$$

(c) [2]

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7.

18 (a) Factorise.

$$x^2 - 43^2$$

(a) [1]

(b) Calculate.

$$57^2 - 43^2$$

(b) [2]

AQA Wednesday 8 November 2017 – Morning (Calculator) Foundation Tier

8.

28 Multiply out and simplify $(x - 8)^2$

[2 marks]

Answer _____