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1

(b) Factorise fully $8p^2 - 2p$

.....
(2)



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1

(b) Factorise fully $15b^5c - 35b^3c^9$

.....
(2)



You must write down all the stages in your working.

- 1 (a) Factorise fully $4p + 6pq$

(2)



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1

(c) Factorise fully $18e^2f^3 - 12e^3f$

.....
(2)



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2 (a) Factorise fully $12pq - 18p$

(2)

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3

(d) Factorise fully $16c^4p^2 + 20cp^3$

(2)

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3

(b) Factorise fully $9ef - 12f$

.....
(2)

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4

(c) Factorise fully $28y^2 - 21y$

.....
(2)



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5 (a) Factorise fully $15y^4 + 20uy^3$

.....
(2)



P 6 6 2 9 7 A 0 7 2 8

6

(d) Factorise fully $20x^5y + 12x^3y^4$

(2)

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6

(d) Factorise fully $10c^3d^2 + 15cd^4$

(2)

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7

(b) Factorise fully $5y + 20y^2$

.....
(2)

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8



7

(b) Factorise fully $16m^3g^3 + 24m^2g^5$

.....
(2)

(c) (i) Factorise $y^2 - 2y - 48$

.....
(2)

(ii) Hence, solve $y^2 - 2y - 48 = 0$

.....
(1)

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8



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8 (a) Factorise fully $18c^3d^2 - 21c^2$

(2)

(b) (i) Factorise $y^2 - 3y - 18$

(2)

(ii) Hence, solve $y^2 - 3y - 18 = 0$

(1)

(Total for Question 8 is 5 marks)



9 (a) Factorise fully $25a^4c^7d + 45a^9c^3h$

(2)

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5 Factorise $x^2 - 5x - 36$

(Total for Question 5 is 2 marks)

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P 6 0 2 6 1 A 0 5 2 4

6

(d) (i) Factorise $x^2 + 9x - 22$

(2)

(ii) Hence solve $x^2 + 9x - 22 = 0$

(1)

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6

(c) Factorise $x^2 - 11x + 24$

.....
(2)



P 6 6 2 9 8 A 0 7 2 8

7

(b) Factorise $y^2 - 9y + 20$

(2)

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9

(c) Factorise fully $14x^2y^4 + 21x^3y^2$

.....

(2)

.....



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9 (a) Factorise $x^2 - x - 42$

(2)



P 6 4 6 9 3 A 0 9 2 8

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9

(c) Factorise $n^2 - 7n + 12$

(2)



P 6 8 7 2 7 A 0 1 1 3 2

10 (a) Factorise $y^2 - 2y - 48$

.....
(2)

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11 (a) Factorise $9x^2 - 4y^2$

(2)

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12

(c) Factorise fully $2e^2 - 18$

.....
(2)



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12 (a) Factorise $2x^2 - 7x + 6$

(2)



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12 (a) Factorise fully $6y^2 - 5y - 4$

(2)



14 Factorise fully $50g^2 - 18$

(Total for Question 14 is 3 marks)

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17 (a) Factorise $6y^2 - y - 5$

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