

May 05 3H

6. (a) Factorise $9p + 15$

.....
(1)

(b) Factorise $q^2 - 4q$

.....
(1)

(c) Factorise $x^2 - 3x - 10$

.....
(2)

(Total 4 marks)

Q6

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May 06 4H

12. (a) Factorise completely $10x^2 - 2x$

.....
(2)

(b) Factorise $x^2 - 9$

.....
(1)

(c) Factorise $3x^2 - 13x + 4$

.....
(2)

(Total 5 marks)

Q12

12. (a) Expand and simplify $(p + 7)(p - 4)$

NOV 09 4H

.....
(2)

13. Factorise

NOV 07 3H

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(a) $x^2 - 100$

.....
(1)

(b) $x^2 - x - 12$

.....
(2)

(c) $3x^2 + 7x + 2$

.....
(2)

(Total 5 marks)

Q13

May 08 3H

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14. (a) Factorise $10y - 15$

.....
(1)

(b) Factorise completely $9p^2q + 12pq^2$

.....
(2)

(c) (i) Factorise $x^2 + 6x - 16$

.....

(ii) Solve $x^2 + 6x - 16 = 0$

.....
(3)

(Total 6 marks)

Q14

19. (a) Expand and simplify $(3p - 2q)(2p + 5q)$

May 04 4H

.....
(2)

17. (a) Factorise $x^2 - y^2$

NOV 09 3H

.....
(1)

(b) Factorise completely $(c + d)^2 - d^2$

.....
(2)

(c) Factorise $2w^2 + w - 3$

.....
(2)

(Total 5 marks)

Q17

Nov 08 4H

17. (a) Factorise $2x^2 + 5x + 3$

.....
(2)

(b) Factorise $4y^2 - 9$

.....
(2)

(Total 4 marks)

Q17

May 07 4H.

21. (a) Factorise $16x^2 - 1$

.....
(1)

(b) Hence express as the product of its prime factors

(i) 1599

.....

(ii) 1.599×10^6

.....
(5)

(Total 6 marks)

Q21