

1. (a) Factorise (b) Factorise fully	$8x - 20$	(1)	7. (a) Expand and simplify (b) Factorise completely	$3(x + 4) + 2(5x - 1)$	(2)
2. (a) Factorise (b) Factorise fully (c) Expand and simplify	$10x^2 - 15xy$	(2) (3 marks)	6. (a) Factorise completely (b) Factorise (c) Factorise fully	$6y^2 - 9xy$	(2) (4 marks)
3. (a) Expand (b) Factorise completely	$3x + 12$	(1)	8. (a) Factorise completely (b) Factorise (c) Factorise fully	$6y^2 + 12y$	(2) (1) (2)
4. (a) Expand (b) Expand and simplify	$3(2a + 5) + 5(a - 2)$	(2) (5 marks)	9. (a) Expand and simplify (b) Factorise (c) Factorise	$5x - 10$	(2) (5 marks)
5. (a) Factorise (b) Expand (c) Factorise completely	$3(2y - 5)$	(1)	10. (a) Expand (b) Factorise (c) Expand and simplify	$2p^2 - 4pq$	(2) (2) (5 marks)
6. (a) Expand (b) Expand (c) Factorise completely	$8x^2 + 4xy$	(2) (3 marks)	11. (a) Expand (b) Factorise fully (c) Factorise	$3(x + 5) + 2(5x - 6)$	(2) (1) (2)
7. (a) Expand and simplify (b) Factorise (c) Factorise completely	$4(3x + 5)$	(1)	12. (a) Factorise (b) Factorise (c) Expand and simplify	$x^2 - 7x$	(2) (2) (6 marks)
8. (a) Factorise (b) Factorise (c) Factorise	$3(x - 4) - 2(x + 5)$	(2) (3 marks)	13. (a) Factorise (b) Factorise (c) Expand and simplify	$x(x + 2)$	(2) (2) (1)
9. (a) Expand and simplify (b) Factorise (c) Factorise	$x^2 + 7x$	(2)	14. (a) Factorise (b) Factorise (c) Expand and simplify	$15x - 10$	(2) (2) (6 marks)
10. (a) Expand (b) Factorise (c) Factorise	$x(x + 2)$	(2)	15. (a) Factorise (b) Factorise (c) Factorise	$2(x - y) - 3(x - 2y)$	(2) (2) (5 marks)
11. (a) Factorise (b) Factorise (c) Factorise	$8y^2 - 24xy$	(2) (6 marks)	16. (a) Factorise (b) Factorise (c) Factorise	$4x + 10$	(1) (2) (2)
12. (a) Factorise (b) Factorise (c) Factorise			17. (a) Factorise (b) Factorise (c) Factorise	$6y^2 + 12y$	(2) (2) (5 marks)
18. (a) Factorise (b) Factorise (c) Factorise			19. (a) Factorise (b) Factorise (c) Factorise	$4 + 6x$	(2) (2) (5 marks)

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12. (a) Expand	$3(2y - 5)$	(1)	17. (a) Expand	$3(2g - 1)$	(1)
(b) Factorise	$8x^2 + 4xy$	(2)	(b) Expand	$2d(d + 3)$	(2)
(c) Factorise	$4x + 10y$	(2) (6 marks)	(c) Factorise	$p^2 + 6p$	(2) (5 marks)
13. (a) Expand	$3(x + 4)$	(1)	18. (a) Multiply out	$7(n - 3)$	(1)
(b) Expand	$x(x^2 + 2)$	(2)	(b) Expand	$5(2y - 3)$	(1)
(c) Factorise	$x^2 - 6x$	(1) (4 marks)	(c) Expand and simplify	$2(3x + 4) - 3(4x - 5)$	(2) (4 marks)
14. (a) Factorise	$p^2 + p$	(1)	19. (a) Expand	$y(y^3 + 2y)$	(2)
(b) Factorise	$x^2 + 7x$	(1)	(b) Factorise completely	$6x^2 - 9xy$	(2) (4 marks)
(c) Expand and simplify	$4(x - 3) - 2(1 - x)$	(2) (4 marks)	20. Expand the brackets		
15. (a) Factorise	$4x + 10y$	(1)	i. $4(2x - 3)$		(2)
(b) Factorise	$x^2 + 7x$	(1)	ii. $p(q - p^2)$		(2)
(c) Expand	$x^2(x + 5)$	(2) (4 marks)	iii. $t(3t^2 + 4)$		(2) (6 marks)
16. (a) Expand	$5(2y - 3)$	(1)	21. (a) Factorise	$3t - 12$	(2)
(b) Expand the brackets	$p(q - p^2)$	(1)	(b) Factorise	$y^2 + y$	(1)
(c) Expand and simplify	$5(3p + 2) - 2(5p - 3)$	(1) (4 marks)	(c) Expand and simplify	$3(2x - 1) - 2(2x - 3)$	(2) (5 marks)