1 (a) Expand $7(2x + 7)$ (1)

(b) Factorise $3y + 12$ (1)

(2 marks)

2 (a) Expand $5a(a - 6)$ (2)

(b) Solve $4(b + 2) = 24$ (2)

(4 marks)

3 (a) Factorise fully $12m + 8m^2$ (2)

(b) Solve $3(n - 5) = 27$ (2)

(4 marks)

4 (a) Expand $8(3s - 2)$ (1)

(b) Factorise $4t + 20$ (1)

(2 marks)

5 (a) Factorise fully $5a^2b + 15ab^2$ (2)

(b) Solve $6(c - 8) = 42$ (2)

(4 marks)

6 (a) Factorise $18x + 24$ (1)

(b) Expand $3(2y - 4)$ (1)

(2 marks)

7 (a) Expand $p(p - 3)$ (1)
.
(b) Factorise $16q + 8$ (1)

(2 marks)

8 (a) Factorise fully $6x^2 - 4xy$ (2)

(b) Solve $2(w - 4) = 13$ (2)

(4 marks)

9 (a) Factorise $x^2 - 9x$ (1)

(b) Expand $6(5y + 1)$ (1)

(2 marks)

10 (a) Expand $3(5x - 8)$ (1)

(b) Factorise $18y + 15$ (1)

(2 marks)

11 (a) Expand $7(2h - 3)$ (1)

(b) Expand and Simplify $4(g + 5) + 3(g - 2)$ (2)

(3 marks)

12 (a) Factorise fully $7xy + 21x$ (2)

(b) Solve $6(p + 3) = 42$ (2)

(4 marks)

13 (a) Expand $a(a + b)$ (1)

(b) Factorise $15y - 6$ (1)

(2 marks)

14 (a) Expand $9x(3y - 8)$ (2)

(b) Expand and Simplify $7(t - 4) + 5(t - 2)$ (2)

(4 marks)

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15   (a) Factorise fully $30x^3 + 12x$ (2)

    (b) Solve $5(f - 2) = 22$ (2)

(4 marks)

16   (a) Expand $x(8x + 1)$ (1)

    (b) Factorise $18 + 63y$ (1)

(2 marks)

17   (a) Expand $2x^2(4x - 9)$ (2)

    (b) Expand and Simplify $6(y + 3) - 5(y - 4)$ (2)

(4 marks)

18   (a) Factorise fully $30a^2 + 40ab$ (2)

    (b) Solve $3(g + 9) = 21$ (2)

(4 marks)

19   (a) Expand $n(5n + 1)$ (1)

    (b) Factorise $18m + mn$ (1)

(2 marks)

20   (a) Expand $3x(7x^2 - y)$ (2)

    (b) Expand and Simplify $3(6y + 5) - 2(4y - 1)$ (2)

(4 marks)

21   (a) Factorise fully $18a^2bc + 30abc^2$ (2)

    (b) Expand and Simplify $4(2y - 7) - 3(5y - 3)$ (2)

(4 marks)

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