**1** (a) Expand $4(m + 2)$

$4(m+2) = 4m + 8$ (1)

$4m + 8$

(1)

**(Total for Question 1 is 1 marks)**

2 (e) Expand $4(3g + 1)$

$4(3g + 1)$

$12g + 4$

$12g + 4$ (1)

.....

**(1)**

**(Total for Question 2 is 1 marks)**

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

$(x+2)(x-5)$

$= x^2 - 5x + 2x - 10$ (1)

$= x^2 - 3x - 10$

$x^2 - 3x - 10$ (1)

**(2)**

**(Total for Question 3 is 2 marks)**

**4** (a) Expand $e(3e - 5)$

$3e^2 - 5e$ (1)

.....

**(1)**

**(Total for Question 4 is 1 marks)**

**5** (a) Expand and simplify $(m - 8)(m + 5)$

$m^2 + 5m - 8m - 40$ (1)

$= m^2 - 3m - 40$ (1)

$m^2 - 3m - 40$

(2)

**(Total for Question 5 is 2 marks)**

**6** (a) Expand $x(5 - x)$

$5x - x^2$

$5x - x^2$

**(1)**

**(Total for Question 6 is 1 marks)**

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

$6x^2 + 9x - 3x^2 - 5x$ (1)

$6x^2 - 3x^2 + 9x - 5x$

$3x^2 + 4x$ (1)

$3x^2 + 4x$

**(2)**

**(Total for Question 7 is 2 marks)**

**8** (a) Expand $5(3a + 4)$

$15a + 20$

$15a + 20$ (1)

.....

**(1)**

**(Total for Question 8 is 1 marks)**

9 (c) Expand $4t(3t - 2)$

$= 12t^2 - 8t$ (2)

$12t^2 - 8t$

(2)

(d) Expand and simplify $(5x - 2)(x + 4)$

$= 5x^2 + 20x - 2x - 8$ (1)

$= 5x^2 + 18x - 8$ (1)

$5x^2 + 18x - 8$

(2)

**(Total for Question 9 is 4 marks)**

**10** (a) Expand $x(4 - x)$

$4x - x^2$ (1)

$4x - x^2$

.....

**(1)**

**(Total for Question 10 is 1 marks)**

**11** (a) Expand and simplify $4x(2x + 5) – 3x(2x – 3)$

$= 4x(2x+5) - 3x(2x-3)$

$= 8x^2 + 20x - 6x^2 + 9x$ (1)

$= 2x^2 + 29x$ (1)

$2x^2 + 29x$

**(2)**

**(Total for Question 11 is 2 marks)**

**12** (a) Expand $3c^3(c + 4)$

$3c^4 + 12c^3$

$3c^4 + 12c^3$ (2)

(2)

**(Total for Question 12 is 2 marks)**

13 (c) Expand $3(x + 4)$

$3x + 12$

$3x + 12$ (1)

(1)

**(Total for Question 13 is 1 marks)**

**14** (a) Expand and simplify $(n - 6)(n + 4)$

$n^2 + 4n - 6n - 24$ (1)

$n^2 - 2n - 24$ (1)

$n^2 - 2n - 24$

(2)

**(Total for Question 14 is 2 marks)**

15 (c) Expand $x(x + 5)$

$x^2 + 5x$ (1)

.....

**(1)**

**(Total for Question 15 is 1 marks)**

16 (b) Expand $x(8 - x)$

$8x - x^2$ (1)

$8x - x^2$

(1)

**(Total for Question 16 is 1 marks)**

**17** (a) Expand and simplify $x(2x - 3) + 7(2x + 1) - 5$

$2x^2 - 3x + 14x + 7 - 5$ (1)

$\therefore 2x^2 + 11x + 2$ (1)

$2x^2 + 11x + 2$

(3)

(b) Expand and simplify $(y + 4)(2 - y)$

$2y - y^2 + 8 - 4y$ (1)

$= -y^2 - 4y + 2y + 8$

$= -y^2 - 2y + 8$

$8 - 2y - y^2$ (1)

(2)

**(Total for Question 17 is 5 marks)**

**18** (a) Expand $x(10 - x)$

$10x - x^2$ (1)

.....

**(1)**

**(Total for Question 18 is 1 marks)**

19 (d) Expand $5(2 + 3h)$

$10 + 15h$

$10 + 15h$ (1)

.....

**(1)**

**(Total for Question 19 is 1 marks)**

**20** (a) Expand $4x(x - 5)$

$= 4x^2 - 20x$

$4x^2 - 20x$ (1)

.....

**(1)**

**(Total for Question 20 is 1 marks)**

21 (b) Expand $p(p - 2)$

$p^2 - 2p$ (1)

**(1)**

(e) Expand and simplify $(x + 5)(x - 7)$

$x^2 - 7x + 5x - 35$ (1)

$= x^2 - 2x - 35$ (1)

$x^2 - 2x - 35$

**(2)**

**(Total for Question 21 is 3 marks)**

**22** (a) Expand $x(3 - x)$

$3x - x^2$ (1)

.....

**(1)**

**(Total for Question 22 is 1 marks)**