1 (a) Expand $2(a + d)$

$2(a+d) = 2a + 2d$

$2a + 2d$ (1)

(1)

(Total for Question 1 is 1 mark)

2 (a) Expand $y(y + 5)$

$y(y+5) = y^2 + 5y$ (1)

$y^2 + 5y$

(1)

(Total for Question 2 is 1 mark)

3 (b) Expand and simplify $4(x + 3) + 7(4 - 2x)$

$4(x+3) + 7(4-2x)$ distribute to all terms in the bracket (1)

$4x + 12 + 28 - 14x$

collect like terms

$40 - 10x$ (1)

$40 - 10x$

(2)

(Total for Question 3 is 2 marks)

4 (a) Expand $3(4 - 2x)$

multiply

$3(4 - 2x)$

$= 12 - 6x$ (1)

$12 - 6x$

.....

(1)

(Total for Question 4 is 1 mark)

5 (c) Expand $4p(p^2 + 3p)$

$4p(p^2+3p) = 4p^3 + 12p^2$

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

(2)

(Total for Question 5 is 2 marks)