Expand each bracket. Show the multiplication line before your answer.

**1** (a) $5(2x + 3)$ (1)

(b) $3(x + 4)$ (1)

(c) $2(4y + 1)$ (1)

(d) $6(a + 2)$ (1)

**(4 marks)**

**2** (a) $4(3m + 2)$ (1)

(b) $7(b + 5)$ (1)

(c) $5(2 + 3c)$ (1)

(d) $10(4 + p)$ (1)

**(4 marks)**

**3** Expand each bracket. Take care with the subtraction.

(a) $2(y - 6)$ (1)

(b) $4(5a - 2)$ (1)

(c) $3(x - 1)$ (1)

(d) $6(2n - 5)$ (1)

**(4 marks)**

**4** Expand each bracket.

(a) $5(3 - k)$ (1)

(b) $8(2 - 3t)$ (1)

(c) $2(9 - y)$ (1)

(d) $4(6 - 2w)$ (1)

**(4 marks)**

**5** Write an expression for the area of each rectangle, first as a multiplication with a bracket and then expanded.

(a) Height $4$, width $a + 3$ (1)

(b) Height $3$, width $b - 2$ (1)

(c) Height $5$, width $3c - 1$ (1)

(d) Height $2$, width $4d + 7$ (1)

**(4 marks)**

**6** A pupil expanded $3(2x + 5)$ and wrote $6x + 5$.

(a) Write down the correct answer (1)

(b) Write down what the pupil forgot to do (2)

(c) Find a value of $x$ for which the two answers differ, and write down both (2)

**(4 marks)**