1 Squaring is not doubling. Work each one out.

(a) s^2 when $s = 4$ (1)

(b) $2s$ when $s = 4$ (1)

(c) s^2 when $s = 9$ (1)

(d) $2s$ when $s = 9$ (1)

(e) s^2 when $s = 2$ (1)

(f) $2s$ when $s = 2$ (1)

(6 marks)

2 Every term inside gets multiplied. Expand each one.

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

(b) $3(2y + 7)$ (1)

(c) $4(a - 6)$ (1)

(d) $6(3m + 2)$ (1)

(e) $2(4p - 5)$ (1)

(5 marks)

3 Open or closed? For each one, write *open* or *closed*, and say whether the arrow goes left or right.

(a) $x > 6$ (1)

(b) $x \leq 6$ (1)

(c) $x \geq -2$ (1)

(d) $x < -2$ (1)

(4 marks)

4 The invisible 1. Simplify each one.

(a) $5y - y$ (1)

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

(c) $7a - a - a$ (1)

(d) $m + m + m$ (1)

(4 marks)

5 Mixed. Work each one out.

(a) $A = s^2$ when $s = 6$ (1)

(b) Expand $7(x + 3)$ (1)

(c) Simplify $9m - m$ (1)

(d) Draw $x \geq 1$ (2)

(5 marks)