1 Simplify.

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

(b) $9a - 4 - 3a$ (1)

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

(d) $4m + 3n - m + n$ (1)

(4 marks)

2 Factorise fully.

(a) $8x + 20$ (1)

(b) $21a - 14$ (1)

(2 marks)

3 Solve.

(a) $n + 18 = 45$ (1)

(b) $7x = 63$ (1)

(c) $5y - 6 = 29$ (1)

(d) $3(m + 5) = 27$ (1)

(4 marks)

4 Use the formulas.

(a) $A = s^2$ when $s = 9$ (1)

(b) $P = 2(l + w)$ when $l = 12$, $w = 7$ (1)

(c) $C = 900n + 2000$ when $n = 5$ (1)

(3 marks)

5 Inequalities.

(a) Write an inequality for *no fewer than* 20 *chairs* (1)

(b) Draw $x \leq 3$ (2)

(3 marks)