Ten minutes, on your own, in silence. **This is not collected and no score is recorded.** You will mark it yourself from the board.

1 Simplify.

(a) $6x + 3x$ (1)

(b) $8a - a$ (1)

(c) $5m + 4 - 2m$ (1)

(d) $4y \times 3$ (1)

(4 marks)

2 Expand.

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

(b) $4(2a - 3)$ (1)

(c) $2(3m + 4n)$ (1)

(3 marks)

3 Factorise fully.

(a) $6x + 9$ (1)

(b) $10a - 15$ (1)

(c) $12m + 18$ (1)

(3 marks)

4 Use the formula.

(a) $A = s^2$. Find A when $s = 7$ (1)

(b) $C = 500n + 1000$. Find C when $n = 4$ (1)

(c) $P = 2(l + w)$. Find P when $l = 8$, $w = 3$ (1)

(3 marks)

5 Solve.

(a) $x + 12 = 27$ (1)

(b) $5n = 40$ (1)

(c) $3y - 4 = 17$ (1)

(d) $2(m + 3) = 16$ (1)

(4 marks)

6 Inequalities.

(a) Is 5 a solution of $x \geq 5$? (1)

(b) Is 5 a solution of $x > 5$? (1)

(c) Draw $x < 3$ (2)

(4 marks)