No question below tells you what to do. If it has a bracket, expand it. If it has not, factorise it.

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

(b) $4a+12$ (1)

(c) $2(3y-1)$ (1)

(d) $10m+15$ (1)

(4 marks)

2 (a) $6b-9$ (1)

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

(c) $8n+20$ (1)

(d) $7(d-2)$ (1)

(4 marks)

3 (a) $12x+18$ (1)

(b) $3(4p+5q)$ (1)

(c) $14-21y$ (1)

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

(4 marks)

4 For each pair, write **equal** or **not equal**. Show your working.

(a) $3(x+4)$ and $3x+12$ (2)

(b) $2(y+5)$ and $2y+5$ (2)

(c) $5(2a-1)$ and $10a-5$ (2)

(6 marks)

5 Expand and simplify.

(a) $2(x+3)+4x$ (1)

(b) $5(a+1)+2(a+3)$ (1)

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

(d) $4(y+2)+3(y-1)$ (1)

(4 marks)