MATHEMATICS • YEAR 8 • ALGEBRA

Expanding Single Brackets

Name _____ **Date** _____

Expand each bracket, then simplify. Use the blank space in each box for working and write your final expression on the line.

A Expand each bracket

Questions 1–6

1 $3(x + 4)$

Answer _____

2 $5(a - 2)$

Answer _____

3 $-2(5 - y)$

Answer _____

4 $-4(m + 3)$

Answer _____

5 $6(2p - 1)$

Answer _____

6 $-3(4 - 2t)$

Answer _____

B Watch the signs

Questions 7–12

7 $4(3x + 2)$

Answer _____

8 $-5(2a - 3)$

Answer _____

9 $7(1 - 2n)$

Answer _____

10 $-2(3y - 8)$

Answer _____

11 $3(4p - 5)$

Answer _____

12 $-6(2 - q)$

Answer _____

C Expand, then collect like terms

Questions 13–16

13 $3(x + 4) + 2x$

Answer _____

14 $5(2a - 1) - 3a$

Answer _____

15 $-2(3y + 4) + 5y$

Answer _____

16 $4(2p - 3) + p$

Answer _____