

# ALGEBRA: Products (Brackets)

 **8087** Watch video and complete examples

Lesson Notes and Examples:

**Example 1**

$$2(a + b + c)$$

**Example 2**

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

Simplify:

1)  $2(x + y)$

2)  $3(a - b + c)$

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

4)  $x(ax^2 + 4x + 7)$

 Mark work and do corrections. [1-4]

5)  $4(x + y + 3)$

6)  $ab(c + 3)$

7)  $2a(3a + 4b)$

8)  $3x(2a + 3b + 3)$

 Mark work and do corrections. [5-8]

9)  $6(2x + 3y + 4)$

10)  $4(x + 3)$

11)  $2xy(3x + 5y)$

12)  $4(x + y) + 3(2x + y)$


 Mark work and do corrections. [9-12]

13)  $5ab(5a^2b + 1)$

14)  $-2(x - y)$

15)  $-7a(-3b + 4c)$

16)  $a(2x + 3y) + ax + 4ay$

 Mark work and do corrections. [13-16]

17)  $-(2a - 3b - 2)$

18)  $3xyz(x^2 - y^2 + xy)$

19)  $-4t^2r(5t - 4r - 8tr)$

20)  $2(3x + y) + 5x + y$

 Mark work and do corrections. [17-20]