

## Lesson 5

### Perimeter, Area & Volume : Year 9

*Non Calculator*

#### 5.1 STARTER

Expand the brackets.....

(i)  $(x + 3)(x + 7)$

(ii)  $(x + 5)(x + 4)$

(iii)  $(5x + 3)(2x + 5)$

(iv)  $(4x + 3)^2$

## 5.2 Exercise

### Question 1

Expand the brackets;

(i)  $(x - 3)(x - 5)$

(ii)  $(x - 2)(x - 17)$

(iii)  $(x - 8)(x - 5)$

(iv)  $(x - 9)(x - 11)$

(v)  $(x - 6)(x - 9)$

(vi)  $(x - 10)(x - 12)$

**Question 2****C A R E F U L !**

Expand the brackets;

(i)  $(4x - 5)(3x - 2)$

(ii)  $(6x - 1)(6x - 5)$

(iii)  $(3x - 2)(5x - 3)$

(iv)  $(11x - 5)(9x - 1)$

(v)  $(8x - 7)(x - 4)$

(vi)  $(3x - 11)(4x - 7)$

**Question 3**

Expand the brackets;

(i)  $(x - 4)(x - 13)$

(ii)  $(x - 25)(x - 8)$

(iii)  $(x - 10)^2$

(iv)  $(x - 8)(x - 7)$

(v)  $(x - 15)(x - 6)$

(vi)  $(x - 16)(x - 3)$

**Question 4****C A R E F U L !**

Expand the brackets;

(i)  $(5x - 7)(2x - 7)$

(ii)  $(5x - 11)(2x - 5)$

(iii)  $(2x - 7)(6x - 5)$

(iv)  $(10x - 7)(5x - 11)$

(v)  $(9x - 5)(5x - 2)$

(vi)  $(5x - 12)(3x - 2)$