

Lesson 6

Perimeter, Area & Volume : Year 9

Non Calculator

6.1 Exercise

Question 1

Expand the brackets;

(i) $(x - 6)(x + 3)$

(ii) $(x + 4)(x - 10)$

(iii) $(x + 5)(x - 4)$

(iv) $(x - 8)(x + 3)$

(v) $(x + 11)(x - 8)$

(vi) $(x - 4)(x + 13)$

Question 2

Expand the brackets;

(i) $(3x - 7) (4x + 3)$

(ii) $(4x + 3) (5x - 2)$

(iii) $(9x + 7) (x + 4)$

(iv) $(5x - 7) (3x - 4)$

(v) $(2x + 11) (2x + 5)$

(vi) $(5x - 4) (3x + 7)$

Question 3

Expand the brackets;

(i) $(x - 8)(x + 5)$

(ii) $(x + 1)(x - 2)$

(iii) $(x + 5)(x - 5)$

(iv) $(x - 20)^2$

(v) $(x - 13)(x + 11)$

(vi) $(x + 5)(x + 8)$

Question 4

Expand the brackets;

(i) $(7x - 8) (3x - 7)$

(ii) $(2x + 1) (13x - 2)$

(iii) $(x + 5) (6x - 5)$

(iv) $(6x - 5)^2$

(v) $(x - 5) (6x + 11)$

(vi) $(6x + 5) (8x + 3)$

Question 5

Expand the brackets;

(i) $(7x - 6) (5x - 7)$

(ii) $(6x + 7) (9x + 2)$

(iii) $(13x - 5) (4x + 1)$

(iv) $(4x + 13) (7x - 10)$

(v) $(11x - 12) (4x + 5)$

(vi) $(6x - 13) (5x - 13)$

Question 6

Expand the brackets;

(i) $(x + 16) (7x + 4)$

(ii) $(7x - 3) (11x + 7)$

(iii) $(17x + 3) (11x - 7)$

(iv) $(9x + 6) (8x + 5)$

(v) $(13x + 5)^2$

(vi) $(11x - 8) (9x - 2)$