

6.3 Homework

Question 1

Expand the brackets;

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

(ii) $(x + 4)(x - 9)$

(iii) $(x + 6)(x - 8)$

(iv) $(x - 4)(x + 9)$

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

(vi) $(x + 4)(x + 3)$

Question 2

Expand the brackets;

(i) $(x + 4) (x - 15)$

(ii) $(x - 2) (x + 18)$

(iii) $(x - 9) (x + 5)$

(iv) $(x + 1) ^ 2$

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

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

Question 3

Expand the brackets;

(i) $(x + 8) (2x + 7)$

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

(iii) $(5x + 1) (6x + 1)$

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

(v) $(5x - 12) (x + 10)$

(vi) $(3x - 6) (x - 8)$

Question 4

Expand the brackets;

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

(ii) $(x - 2) (7x - 2)$

(iii) $(x + 7) (7x - 1)$

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

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

(vi) $(5x + 2) (4x + 5)$