5.3 Homework

Question 1
Expand the brackets;

(**i**)   (x - 7) (x - 6)   (**ii**)   (x - 4) (x - 11)

(**iii**)   (x - 17) (x - 10)   (**iv**)   (x - 21) (x - 4)

(**v**)   (x - 16) (x - 3)   (**vi**)   (x - 22) (x - 5)

Question 2
Expand the brackets;

(**i**)   (4x - 5) (3x - 7)

(**ii**)   (7x - 5) (10x - 2)

(**iii**)   (x - 14) (4x - 3)

(**iv**)   (11x - 3) (11x - 5)

(**v**)   (x - 15) (3x - 10)

(**vi**)   (3x - 5) (7x - 4)

Question 3   Expand the brackets;

(**i**)   (x - 8)^2

(**ii**)   (x - 12)^2

(**iii**)   (x - 6) (x - 20)

(**iv**)   (x - 51) (x - 4)

(**v**)   (x - 4) (x - 14)

(**vi**)   (x - 8) (x - 15)

Question 4
Expand the brackets,

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

(ii) $(11x - 3)^2$

(iii) $(x - 7)(4x - 21)$

(iv) $(14x - 1)(14x - 3)$

(v) $(5x - 6)(4x - 9)$

(vi) $(15x - 13)(20x - 13)$