9 (a) (i) Solve the inequality $5y - 7 > 2y - 13$

(2)

(ii) Hence, represent on the number line at the top of the next page, the values of y for which $5y - 7 > 2y - 13$

(1)

(b) (i) Solve the inequality $4x^2 + 4x - 35 < 0$

(3)

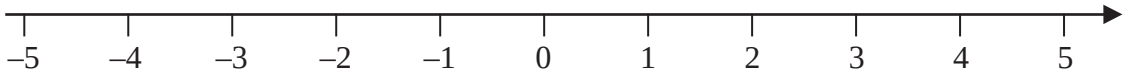
(ii) Hence find the values of x for which

$$5x - 7 > 2x - 13 \quad \textbf{and} \quad 4x^2 + 4x - 35 < 0$$

(1)

$$\left[\text{Solutions of } ax^2 + bx + c = 0 \text{ are } x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}\right]$$

Question 9 continued



(Total for Question 9 is 7 marks)