

2 (a) Find the set of values of x for which

$$-2x - 4 < 3x + 6 \leq 21 - 2x \quad (3)$$

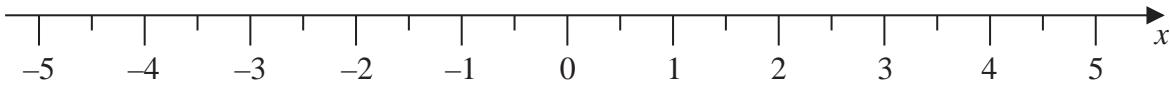
(b) Solve the inequality $4x^2 - 8x < 21$

(3)

(c) Hence represent on the number line on the opposite page, the set of values of x for which

$$-2x - 4 < 3x + 6 \leq 21 - 2x \text{ and } 4x^2 - 8x < 21 \quad (2)$$



Question 2 continued

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(Total for Question 2 is 8 marks)

P 6 8 8 1 9 A 0 5 3 6