2. (a) Use algebra to determine the set of values of x for which

$$x - 5 < \frac{9}{x + 3}$$

(6)

(b) Hence, or otherwise, determine the set of values of x for which

$$x - 5 < \frac{9}{|x + 3|}$$

(2)

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Question 2 continued

(Total for Question 2 is 8 marks)

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