5. **In this question you must show all stages of your working.**

Solutions relying entirely on calculator technology are not acceptable.

Use algebra to determine the values of x for which

$$\frac{x+1}{(x-3)(x+2)} \leqslant 1-\frac{2}{x-3}$$

(6)

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Question 5 continued

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Question 5 continued

(Total for Question 5 is 6 marks)