Solve the following two problems. Show all steps in your work.

(1) Solve the following inequality for x. Write your answer using interval notation.
$$4 \leq |3x - 5|$$

(2) Express the following as a single fraction (with no fractions in the numerator or denominator). Check that your answer has the same value as the below expression when a specific number (of your choice) is substituted for x. (This can catch many (but not all) errors.)
$$\frac{5 - \dfrac{3}{x+1}}{x + \dfrac{x+2}{x-1}}$$