Test

1. Simplify,

$$\frac{2x}{x+1}-\frac{3x}{x-1}$$

2. Solve,

$$\frac{2}{3x-1}+\frac{1}{x+8}=\frac{1}{2}$$

3. Simplify

$$\frac{x^2 - 4x + 3}{2x - 6}$$

4. Simplify

$$\frac{2x^2 + 7x + 6}{4x^2 - 9} \times \frac{4x - 6}{x^2 + 6x + 8}$$