

K Education Centre

GCSE Maths - Higher

Algebraic Fractions

Assignment Questions

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Algebraic Fractions

Q1: Simplify

$$a) \frac{1}{2} + \frac{3}{4x}$$

$$b) \frac{3x-6}{x^2+5x-14}$$

$$c) \frac{5x+25}{x^2-25}$$

$$d) \frac{x^2-16}{7x+14} \div \frac{6x+24}{x+2}$$

Q2: Solve these equations.

$$a) \frac{2x-1}{2} - \frac{6}{x+1} = 1$$

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

Q3: Make a the subject in

$$\frac{3(4a+b)}{2-5ab} = 2$$

Q4: Rearrange $\frac{1}{u} + \frac{1}{v} = \frac{1}{f}$ to make v the subject.