

Adding Algebraic Fractions

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1) Adding Algebraic Fractions: Easier

Q1. Simplify fully $\frac{x+2}{2} + \frac{2x+3}{5}$

.....

(Total for question = 3 marks)

Q2 .Simplify fully

$$\frac{3}{4-x} - \frac{2}{x}$$

.....

(Total for question = 3 marks)

1) Adding Algebraic Fractions: Medium

Q3. Write as a single fraction in its simplest form

$$\frac{3x}{x-2} + \frac{4x+8}{x^2-4}$$

.....

(Total for question = 4 marks)

Q4. Solve $\frac{2x-1}{5} + \frac{4x+1}{2} = 5$

x =

1) Adding Algebraic Fractions: Harder

Q7. Solve $\frac{x+3}{2x} - \frac{3x+5}{5x} = 4$

$x = \dots\dots\dots$

(Total for question is 3 marks)

Q8. Solve

$$\frac{a-1}{2} + \frac{2a+1}{6} = \frac{5}{6}$$