ALGEBRAIC FRACTIONS
EQUATIONS

Ref: G283. **1R1**

A1 Solve $$\frac{3x}{5} + 3 = 7$$	**A2** Solve $$\frac{x+4}{3} = 11$$	**A3** Solve $$\frac{5x-11}{3} = x$$	**A4** Solve $$\frac{7x-16}{2} = 2x - 3$$
B1 Solve $$\frac{x+4}{2} = \frac{x+10}{3}$$	**B2** Solve $$\frac{x-2}{3} = \frac{x+4}{5}$$	**B3** Solve $$\frac{x-10}{10} = \frac{10-x}{3}$$	**B4** Solve $$\frac{2}{5x-2} = \frac{3}{6x+1}$$
C1 Solve $$\frac{x-1}{2} + \frac{2x+3}{4} = 1$$	**C2** Solve $$\frac{2x-1}{4} + \frac{x-1}{5} = 2$$	**C3** Solve $$\frac{6x-1}{4} - \frac{5-2x}{2} = 1$$	**C4** Solve $$\frac{2x+1}{3} + \frac{x-5}{2} = 4$$
D1 Solve $$\frac{6}{x-2} - \frac{6}{x+1} = 1$$	**D2** Solve $$\frac{3}{x+2} + \frac{4}{x-3} = 2$$	**D3** Solve $$\frac{3}{x+1} + \frac{2}{2x-3} = 1$$	**D4** Solve $$\frac{4}{2x+1} + \frac{1}{4x^2-1} = 3$$

ALGEBRAIC FRACTIONS
EQUATIONS

A1 Solve

$$\frac{3x}{5} + 3 = 7$$

$x = 6\frac{2}{3}$

A2 Solve

$$\frac{x+4}{3} = 11$$

$x = 29$

A3 Solve

$$\frac{5x-11}{3} = x$$

$x = 5\frac{1}{2}$

A4 Solve

$$\frac{7x-16}{2} = 2x - 3$$

$x = 3\frac{1}{3}$

B1 Solve

$$\frac{x+4}{2} = \frac{x+10}{3}$$

$x = 8$

B2 Solve

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

$x = 11$

B3 Solve

$$\frac{x-10}{10} = \frac{10-x}{3}$$

$x = 10$

B4 Solve

$$\frac{2}{5x-2} = \frac{3}{6x+1}$$

$x = 2\frac{2}{3}$

C1 Solve

$$\frac{x-1}{2} + \frac{2x+3}{4} = 1$$

$x = \frac{3}{4}$

C2 Solve

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

$x = 3\frac{1}{2}$

C3 Solve

$$\frac{6x-1}{4} - \frac{5-2x}{2} = 1$$

$x = 1\frac{1}{2}$

C4 Solve

$$\frac{2x+1}{3} + \frac{x-5}{2} = 4$$

$x = 5\frac{2}{7}$

D1 Solve

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

$x = -4, \quad x = 5$

D2 Solve

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

$x = -1, \quad x = 5\frac{1}{2}$

D3 Solve

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

$x = \frac{1}{2}, \quad x = 4$

D4 Solve

$$\frac{4}{2x+1} + \frac{1}{4x^2-1} = 3$$

$x = 0, \quad x = \frac{2}{3}$

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