Solving with Algebraic Fractions

Solve

(a) $\frac{x-1}{3} = 2$ (b) $\frac{2x-3}{5} = 7$

(c) $\frac{x+1}{10} = \frac{3x}{5}$ (d) $\frac{x-8}{6} = \frac{3-x}{4}$

Solve

(a) $\frac{x}{2} + \frac{x}{3} = 5$ (b) $\frac{8x}{15} - \frac{x}{5} = 6$

(c) $\frac{x+3}{8} + \frac{x+4}{3} = 4$

(d) $\frac{x+1}{3} + \frac{x}{4} = 5$

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

(f) $\frac{x+13}{2} - \frac{12-3x}{3} = 1$

Solve

(a) $\frac{4}{x+1} + \frac{5}{x+2} = 2$

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

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

(d) $\frac{18}{4x-1} - \frac{1}{x+1} = 1$

(e) $\frac{3}{2x-1} - \frac{4}{3x-1} = 1$

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