

A218 Algebraic fractions

① $x = \frac{12}{13}$

② $x = \frac{4}{7}$

③ $x = 9\frac{1}{3}$

④ $x = -\frac{2}{13}$

⑤ a) $x = 8.5$
b) $4(y+3)$

⑥ proof

⑦ $\frac{3x+10}{x+2}$

⑧ $3x$

⑨ $\frac{2x+1}{3x+5}$

⑩ a) $\frac{4x-6}{3x-9}$

b) $\frac{-x+8}{x(x+1)(x-2)}$

⑪ $\frac{7x-13}{x-2}$

⑫ $x = -4, x = 1$

⑬ a) $x = 5, x = -7$

b) $x = \pm\sqrt{3}$

⑭ $x = \frac{-1}{12}, x = 5$

⑮ a) 3:1

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