Past Papers Worksheet P2 Algebra IGCSE Mathematics 0580

(Write as a Single Fraction)



Write as a single fraction in its simplest form.

(a) $\frac{b^2-9}{6} \times \frac{2}{b-3}$ [2]

(b) $\frac{x}{2} + \frac{5x}{3} - \frac{7x}{4}$ [2]

(c) $\frac{x+2}{3} - \frac{2x-1}{4} + 1$ [3]

(d) $\frac{1}{2x} + \frac{2}{5x}$ [2]

(e) $\frac{2}{x} + \frac{1}{2x} + \frac{1}{2}$ [2]

(f) $1 - \frac{2}{p} - \frac{3}{t}$ [2]

(g) $\frac{3}{2x} + \frac{2x}{3} + 3 + 2x$ [4]

(h) $\frac{1}{y-1} - \frac{1}{y}$ [3]

(i) $3 - \frac{t+2}{t-1}$ [3]

(j) $\frac{x}{2} - \frac{2x+4}{x+1}$ [3]

(k) $\frac{3}{x-4} + \frac{2}{2x+5}$ [3]

(l) $\frac{1}{x+2} - \frac{2}{3x-1}$ [3]

(m) $\frac{x+3}{x-3} - \frac{x-1}{x+1}$ [4]

(n) $\frac{5}{x-3} + \frac{3}{x+7} + \frac{1}{2}$ [4]

Fundoo Tutor Focused. On You.



Fundoo Tutor
Focused. On You.

Fundoo Tutor offers personalized coaching for IGCSE, IB, and SAT students. Need a tutor? http://fundootutor.com/book-a-call/



Fundoo Tutor
Focused. On You.

ANSWERS:

a) $(b + 3)/3$
b) $5x/12$
c) $(-2x + 23)/12$
d) $9/10x$
e) $(5 + x)/2x$
f) $(pt - 2t - 3p)/pt$
g) $(16x^2 + 18x + 9)/6x$
h) $1/y(y - 1)$
i) $(2t - 5)/(t - 1)$
j) $(x^2 - 3x - 8)/2(x + 1)$
k) $(8x + 7)/(x - 4)(2x + 5)$
l) $(x - 5)/(x + 2)(3x - 1)$
m) $8x/(x - 3)(x + 1)$
n) $(x^2 + 20x + 31)/2(x - 3)(x + 7)$

Fundoo Tutor offers personalized coaching for IGCSE, IB, and SAT students. Need a tutor? http://fundootutor.com/book-a-call/