

1 Write as a single fraction:

a $\frac{x}{2} + \frac{x+1}{3}$

b $\frac{x-1}{4} - \frac{x}{2}$

c $\frac{2x}{3} + \frac{x+3}{4}$

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

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

f $\frac{2x+3}{2} + \frac{2x-3}{3}$

2 Simplify:

a $\frac{x}{3} + \frac{x+1}{4}$

b $\frac{3x+2}{4} + \frac{x}{2}$

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

d $\frac{a+b}{3} + \frac{b-a}{2}$

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

f $\frac{x+1}{7} + \frac{3-x}{2}$

g $\frac{x}{6} - \frac{2-x}{5}$

h $\frac{2x-1}{5} - \frac{x}{4}$

i $\frac{x}{8} - \frac{1-x}{4}$

j $\frac{x}{5} - \frac{2-x}{10}$

k $\frac{x-1}{5} - \frac{2x-7}{3}$

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

m $\frac{x}{30} - \frac{4x-1}{10}$

n $\frac{3}{x} + \frac{4}{x+1}$

o $\frac{5}{x+2} - \frac{3}{x}$

p $\frac{4}{x+1} - \frac{3}{x-1}$

q $3 + \frac{1}{x+2}$

r $\frac{1}{x} + \frac{4}{x-4}$

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

t $\frac{x+1}{x-1} + \frac{x}{x+1}$

u $\frac{5}{x} + \frac{6}{x-2}$