



Name: _____



Simplify the following

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

g) $\frac{5}{x} - \frac{7}{x-1}$

b) $\frac{2}{x} + \frac{3}{x+5}$

h) $\frac{1}{x+2} + \frac{2}{x+5}$

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

i) $\frac{3}{x+3} - \frac{2}{x+1}$

d) $\frac{5}{2x} + \frac{4}{x+3}$

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

e) $\frac{2}{5x} + \frac{3}{x-1}$

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

f) $\frac{4}{x} - \frac{6}{x-2}$

l) $\frac{x+6}{x-1} + \frac{x+3}{x-4}$

 Exam question:

a) Factorise $x^2 + 4x + 3$

b) Hence simplify $\frac{2}{x+1} + \frac{3}{x^2+4x+3}$

