

Factorise and simplify:

a  $\frac{5x+10}{5}$

b  $\frac{4}{2x+6}$

c  $\frac{12}{3x-9}$

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

e  $\frac{x+7}{3x+21}$

f  $\frac{5a-5}{8a-8}$

g  $\frac{3a+9}{6a+18}$

h  $\frac{7m-28}{3m-12}$

i  $\frac{x^2+x}{x^2-x}$

j  $\frac{x^2-4}{x-2}$

k  $\frac{a+1}{a^2-1}$

l  $\frac{4y^2-9}{4y+6}$

m  $\frac{a^2-4a}{3a-a^2}$

n  $\frac{2x^2-2}{2x-2}$

o  $\frac{x^2-36}{3x-18}$

p  $\frac{a^2-3a-4}{a+1}$

q  $\frac{x^2-6x+9}{x-3}$

r  $\frac{x^2-4}{x^2+3x+2}$

s  $\frac{x^2+3x+2}{x^2+5x+6}$

t  $\frac{m^2+5m-24}{m^2-7m+12}$

u  $\frac{t^2+7t+12}{t^2-9}$

v  $\frac{a^2-x^2}{a^2+3a+ax+3x}$

w  $\frac{2x^2-x-1}{4x^2-1}$

x  $\frac{18a^2-8}{6a^2+a-2}$

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