

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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