



Name: \_\_\_\_\_



Rationalise the following fractions:

a)  $\frac{2}{\sqrt{5}}$

e)  $\frac{4}{2\sqrt{3}}$

i)  $\frac{\sqrt{6}}{5\sqrt{3}}$

b)  $\frac{4}{\sqrt{7}}$

f)  $\frac{4}{3\sqrt{3}}$

j)  $\frac{2\sqrt{7}}{\sqrt{5}}$

c)  $\frac{3}{\sqrt{2}}$

g)  $\frac{8}{3\sqrt{6}}$

k)  $\frac{7\sqrt{5}}{4\sqrt{7}}$

d)  $\frac{15}{\sqrt{7}}$

h)  $\frac{12}{5\sqrt{3}}$

l)  $\frac{5+\sqrt{5}}{\sqrt{10}}$

Rationalise the following fractions:

a)  $\frac{1}{2+\sqrt{5}}$

d)  $\frac{1}{5-\sqrt{3}}$

g)  $\frac{6\sqrt{3}}{12-\sqrt{3}}$

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

e)  $\frac{\sqrt{3}}{7+\sqrt{3}}$

h)  $\frac{9\sqrt{2}}{3+\sqrt{2}}$

c)  $\frac{7}{1+\sqrt{3}}$

f)  $\frac{\sqrt{5}}{8-\sqrt{5}}$

h)  $\frac{10\sqrt{2}}{20+5\sqrt{2}}$

Exam question:

Rationalise the denominator and simplify  $\frac{8}{12\sqrt{5}}$ 