

(C1-1.8) Name:

### Homework Questions 8 – Rationalising the Denominator

1. Rationalise the denominators on the following expressions

a)  $\frac{\sqrt{5}}{\sqrt{20}}$

b)  $\frac{2\sqrt{10}}{\sqrt{125}}$

c)  $\frac{12\sqrt{12}}{8\sqrt{6}}$

d)  $\frac{3\sqrt{18}}{4\sqrt{24}}$

e)  $\frac{2\sqrt{8}}{6\sqrt{6}}$

f)  $\frac{4}{8 + \sqrt{20}}$

g)  $\frac{\sqrt{10} + \sqrt{50}}{\sqrt{5}}$

h)  $\frac{\sqrt{12} + \sqrt{20}}{\sqrt{5}}$

i)  $\frac{\sqrt{6}}{\sqrt{5} + \sqrt{2}}$

j)  $\frac{\sqrt{3} + \sqrt{2}}{\sqrt{3} + \sqrt{2}}$