



## Warmup Exercises

1. Simplify each expression as much as possible. No calculators, please.

a)  $\frac{1}{1/5}$

b)  $\frac{2}{1+1/5}$

c)  $\frac{y}{1/x}$

d)  $\sqrt{\frac{1}{100}}$

e)  $2\sqrt{1 - (99/100)}$

f)  $\frac{1}{3} + \frac{2}{5}$

g)  $\sqrt{3^2 + 4^2}$

h)  $\sqrt{3^2 + 5^2}$

i)  $3^2 3^{1/2} \frac{1}{3}$

j)  $\sqrt{4^3}$

j) 8

i)  $3^{3/2}$

h)  $\sqrt{34}$

g) 5

f)  $11/15$

e)  $1/5$

d)  $1/10$

c)  $xy$

b)  $5/3$

a) 5

Answers: 1. a) 5