

Math 201-101 Quiz 6 Fall 2009 NAME:

No calculators, ipods, cell phones! Show your work!

1. Use drawings of rectangular or circular regions to find the larger of $\frac{2}{3}$ and $\frac{3}{4}$.

2. (a) The piece of carpet runner pictured below is $1\frac{3}{5}$ yards long. Draw as accurately as possible a piece that is $1\frac{1}{5}$ yards long. Show your work.



(b) If the $1\frac{3}{5}$ yard piece cost \$8, how much should the $1\frac{1}{5}$ yard piece cost?

3. Write the following in simplest form.

(a) $\frac{180}{56}$

(b) $\frac{225}{162}$

(c) $\frac{x^3y^4z^5}{x^2y^5z^5}$