

Mat 103/105 Quiz 2 Review

Name: _____

Please show all your work to get full credit.

1. Fill in all the missing entries in the chart below. All row items must be equivalent.

Mathematical Expression	Words to read the mathematical expression	Base/s	Exponent/s	Simplify and do not leave any negative exponents. Evaluate if possible
-5^2				
5^{-2}				

2. Fill in all the missing entries in the chart below. All row items must be equivalent.

Mathematical Expression	Words to read the mathematical expression	index	radicand	Evaluate your answers. You may assume all variables are positive real numbers.
$3\sqrt{12}$				
$5\sqrt[3]{y^9}$				

3. Simplify the expression below completely. Do not leave any negative exponents in your answer.

$$\left(\frac{-3u^3v^{-2}}{6u^4v^{-5}}\right)^4$$