

Name:
September 15, 2015
MAC 1105.1A26
Cyr

Quiz 3

You must show all work to receive full credit!!

Problem 1. (2 pts) Simplify the expression $\left(\frac{12m^{3/2}n^{-5/2}}{mn}\right)^2$ so that the answer uses only positive exponents.

Problem 2. (2 pts) Simplify the expression (assuming $x > 0$): $\sqrt{18x^3} - 3x\sqrt{32x} + 5\sqrt{8x^3}$.

Problem 3. (1 pt) Rationalize the denominator of $\frac{2}{7 - \sqrt{3}}$.