

Math 160

Quiz 1

Name: _____

July 1, 2003

Show all work for credit.

Leave all answers as exact answers unless otherwise stated.

1. (2 points total, no partial credit) State the formula for each of the following.
 - (a) The area of a rectangle
 - (b) The circumference of a circle
 - (c) The area of a triangle

2. (1 point each) For each of the following, tell if it is an expression, an equation, or an identity:
 - (a) $3x + 7 = 12$
 - (b) $\ln 5 + 6$
 - (c) $6(2x - 4) = 12x - 24$
 - (d) $\frac{16\pi + 75}{128 - a}$

3. (2 points each) Evaluate the following to at least 3 significant digits:
 - (a) $\frac{16^2 + \sqrt{-13 + 12\pi}}{9 + 14(6)}$
 - (b) $\frac{a^3 + \sqrt{a^2}}{b + c}$, where $a = -5$, $b = 10$, and $c = 1$