

QUIZ 0 FOR CALC4 ON JAN. 29, 2014

Name: _____ RUID: _____

Email: _____

(1) (1 pt) $\ln \mu + \ln x = 0$ means

A. $\mu + x = 0$; B. $\mu + x = 1$; C. $\mu x = 0$; D. $\mu x = 1$.

(2) (1 pt) $\ln \mu = 2 \ln x - \ln 2x$ means

A. $\mu = 0$; B. $\mu = 1$; C. $\mu = x$; D. something else.

(3) (1 pt) Describe the zero set of $\cos 5x$, or more precisely, determine all the points $x \in \mathbb{R}$ that makes $\cos 5x = 0$.

(4) (1 pt) Solve the polynomial equation

$$r^3 - r^2 + r - 1 = 0.$$

(5) (1 pt) Compute the indefinite integral

$$\int \frac{t}{t-2} dt$$

(6) (1 pt) Compute the indefinite integral

$$\int \sec x dx$$