MATH 120E
Quiz 6
December 6, 2001

1. (5 points) Solve for x.

$$\ln(\log_4 x) = 13$$

2. (5 points) Sketch the curve represented by the parametric equations:

$$x = t + \frac{\pi}{2}, \ y = \sin(t + \frac{\pi}{2}), \ 0 \le t \le 2\pi.$$

Clearly label the points corresponding with $t = 0$ and $t = 2\pi$. Use arrows to indicate which direction the points move along the curve as t increases in its domain.