Name Quiz Feb 6

Problem 1. Suppose that $X_1, ..., X_n$ are i.i.d. $N(\mu, 1)$. You want to test $H_0: \mu = 0$ against $H_1: \mu \neq 0$. Write down the rejection region for the level 0.02 test.

$$\overline{X} > \frac{2.33}{\sqrt{n}}$$
, $\overline{X} \leftarrow \frac{2.33}{\sqrt{n}}$

$$\left(-\frac{2.33}{\sqrt{n}}, \frac{2.33}{\sqrt{n}}\right)$$