

Name: _____

Date: 4/22/2025

Math 130

Quiz 14

A formula you may need: $z = \frac{\hat{p} - p}{\sqrt{\frac{pq}{n}}}$

1. (10 points) A researcher claims that 24% of adults in the United States are afraid to fly. You want to test this claim. You find that in a random sample of 1075 adults in the United States, 292 are afraid to fly. At the 0.05 significance level, can you reject the researcher's claim? (Use the p-value method)