

## QUIZ 7

Name \_\_\_\_\_

1. Is the integral  $\int_{-1}^1 x^{-\frac{3}{7}} dx$  an improper integral or not? Explain.

2. Decide whether or not the integral  $\int_0^1 \frac{2}{\sqrt{1-x^2}} dx$  converges or diverges.

3. Is  $\int_{-\infty}^1 x^2 e^{3x} dx$  convergent or divergent?