

Name: _____**Section:** _____

Clear your desk of everything except pens, pencils and erasers. **Show all your work.**

If you have a question raise your hand and I will come to you.

1. (5 points) Evaluate the integral

$$\int_{1/2}^{1/\sqrt{2}} \frac{4}{\sqrt{1-x^2}} dx$$

2. (5 points) Evaluate the following limit.

$$\lim_{x \rightarrow \infty} \frac{\log_4(x+5)}{\log_3 x}$$