4E Checkup

1. Use L'Hopital's Rule to evaluate the limit.

$$\lim_{\theta \to 0} \frac{\sin \theta^2}{\theta}$$

2. Use L'Hopital's Rule to evaluate the limit.

$$\lim_{x \to \infty} \frac{\log_2 x}{\log_3 (x+3)}$$

3. Use L'Hopital's Rule to evaluate the limit.

$$\lim_{\theta \to 1^+} x^{1/(1-x)}$$