

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points) Evaluate

$$\lim_{x \rightarrow 0} \frac{\sqrt{4+x} - \sqrt{4-x}}{x}$$

Exercise 2 (5 points) Evaluate

$$\lim_{x \rightarrow 0} \frac{\sin(3x)}{xe^x}$$

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points) Evaluate

$$\lim_{x \rightarrow 1} \frac{\sqrt{8+x} - 3}{x-1}$$

Exercise 2 (5 points) Evaluate

$$\lim_{x \rightarrow 0} \frac{\sin(2x)\cos(x)}{xe^x}$$