Math 241 Spring 2019 Professor MG
Quiz 2   Name: _____

Show all work and circle/box your final answer. Justify your answers. All answers must be simplified unless stated otherwise.

1. Find $\lim\limits_{x\to 0} \dfrac{\sin(2x)}{x}$

2. Find $\lim\limits_{x\to 1^+} \dfrac{x+1}{(x-1)^2}$

3. Find $\lim\limits_{x\to 0} x^2 \sin\left(\dfrac{1}{x}\right)$ (Hint: Squeeze)