Name_____ No calculators. Present neatly. Score_____.

Evaluate the limit or explain why it does not exist.

1)

$$\lim_{x \to 0} \frac{\tan 7x}{\sin 3x}$$

2)

$$\lim_{x \to 0^+} \sin\left(\frac{1}{x}\right)$$

3) Short Essay: Briefly describe the Squeeze Theorem to a non-mathematical person.

Your work:

Name_____ No calculators. Present neatly. Score_____.
Evaluate the limit or explain why it does not exist.
1)

$$\lim_{t \to 0} \frac{t^2}{1 - \cos^2 t}$$

2)

$$\lim_{x \to 0} \frac{2 - \cos 3x - \cos 4x}{x}$$

3) Short Essay: Briefly describe the Intermediate Value Theorem to a non-mathematical person.

Your work: