## Math 135: Fall 2019

## Instructions:

Please show all your work in order to receive proper credit. You are not allowed to use any calculator, formula sheet, notes or electronic devices. Quiz should be completed in one seating with no breaks. All final answers should be in the simplest form. Box your final answer.

Problem 1. (4 points) Compute the limit:

$$\lim_{x \to 0} \frac{x^2 - 2x + sinx}{x}$$

Problem 2. (3 points) Compute the limit:

$$\lim_{h\to 0^-}\frac{\sqrt{6}-\sqrt{10h^2+9h+6}}{h}$$

**Problem 3.** (3 points) Use the graph of f(x) below to find the following limits.

