MATH 134 – Calculus with Fundamentals 2
Quiz 7 – April 20, 2018

Your Name: _____

Directions

There are 30 total points possible (distributed as indicated in the questions on both sides). You may use a calculator, but not a phone or any other electronic device.

(A) (10) If Z has a standard normal distribution, what is the probability $P(.23 < Z < 1.36)$?

(B) (10) Compute the limit $\lim_{x \to 3} \dfrac{x^2 - 5x + 6}{\sin(2x - 6)}$.

(C) (10) A population is growing exponentially according to $P(t) = 190e^{(.02)t}$. At which t will $P(t) = 600$?