Full name: _____ **GT ID:**_____ **Sec:**____

Quiz 9 Version C

You have 15 minutes to take the quiz. No phones, notes, or use aids of any kind is permitted.

1. (3 points) **[Parameterizations of Curves and Line Integrals]**

   Find a parameterization for space curve C which is the the straight line segment between the points $(-1, 1, 0)$ and $(2, 2, 1)$.　　　　　　　　　　　　　　　　　　　　　[AN]

2. (7 points) **[Line Integrals of Scalar Functions]**
   Evaluate the line integral where C is the curve along $y = x^2$ from $(-1, 1)$ to $(2, 4)$.　　　　[AJN]
   $$\int_C xy \, dx + (x + y) \, dy$$