Quiz #10
Math 221

Instructions. Be sure to show your work and explain your reasoning for full credit.

NAME ______________________

1. Consider the following integral.
   \[ \int_{2}^{4} x + 1 \, dx \]
   
   (a) Compute the value of the integral using geometry.

   (b) Compute the value of the integral using the Fundamental Theorem of Calculus.

   (c) Compute the value of the integral by taking the limit of Reimannian sums (Right-Hand Endpoint rule).