

Quiz 7 — 10/26/17

Name: _____ Section and/or TA: _____

Answer all questions in a clear and concise manner. Unsupported answers will receive *no credit*.

1. (3 points) Find the average value of the function $f(x) = \frac{1}{x^2 + 3x + 2}$ on the interval $[1, 5]$.

2. (2 points) Find the volume of the solid obtained by rotating the curve $y = \frac{5}{x+1}$, $0 \leq 3x \leq 3$, about the x -axis using the disk method.