QUIZ 16

1. (4 points) Find the area of the region bounded by $y = 5x - x^2$ and y = x.

2. (6 points) Use slicing to find the volume of the region described in #1 when it is rotated about the x-axis.

3. (extra credit) Use slicing to find the volume of the region described in #1 when it is rotated about the y-axis (or explain why this method fails).