Quiz 5
MA 16020
Instructor: Dr. Robbins

1. (10 points) Find an integral that could be used to find the volume of the solid obtained by revolving the region enclosed by
$$y = 5x - x^2, \qquad \text{and } y = 0$$
about the given axis.

   DO NOT EVALUATE the integral.

   (a) Rotate about the x-axis.

   ANSWER: $\displaystyle\int$ _____ $d\_\_$

   (b) Rotate about the line $y = 10$.

   ANSWER: $\displaystyle\int$ _____ $d\_\_$