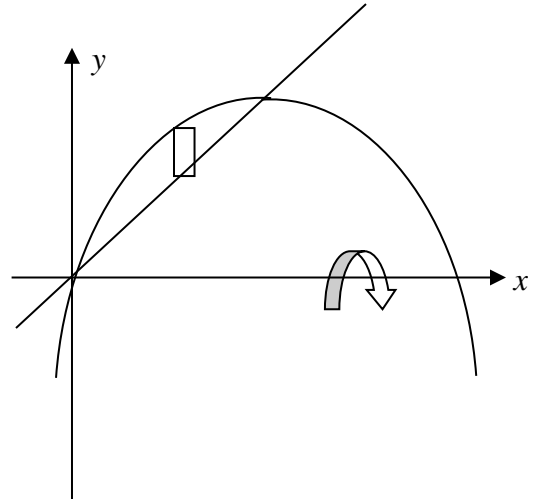


**Math 141**  
**Quiz 3**  
**February 1, 2016**



name \_\_\_\_\_

**SET UP** the definite integral(s) to find the volume of the solid generated by rotating the region bounded by the graphs of  $y = 2x - x^2$ ,  $y = x$  about the  $x$ -axis using vertical rectangles.



**SET UP** the definite integral(s) to find the volume of the solid generated by revolving the region bounded by the graphs of  $x = y^2$  and  $x = y + 2$  about the line  $y = 2$ , using horizontal rectangles.

