

Homework due Monday, January 27.

1. Do problems 65, 72, 90 on pp. 150-151 of the textbook.

- In the next two problems, find the volumes of the solids generated by revolving the region bounded by the graphs of the equations about the given lines.

2. $y = 2x^2$, $y = 0$, $x = 2$

a) about the y -axis;

b) about the x -axis;

c) about the line $y = 8$;

d) about the line $x = 2$.

3. $y = 4 + 2x - x^2$, $y = 4 - x$.

a) about the x -axis;

b) about the line $y = 1$.