## Section 6.3 Worksheet:

Assigned problems: Exercises pp. 325-327, #3, 5, 14, 16, 21, 35, 48, 49, 52, 53.

1. What is a **solid of revolution**? What do washers and disks have to do with such solids?

2. What is the difference between a disk and a washer?

3. One of the twists in this section is rotating about an axis other than the $x$- or $y$-axis. What is the essential difference?

**Notes:**

1. The trick in these problems is just to figure out what the appropriate radii are. Visualizing the appropriate cross sections is essential – good luck! It's a skill that requires practice....