Worksheet	week 6
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- MAC 2312, Spring 2015

NAME:	

- 1. Find the area of the region bounded between $x = y^2 1$ and x + y = 1. Sketch and computation are required.
- 2. Set up an integral that gives the volume of the solid obtained when the region in problem 1 is rotated around the line x = 3. You are not required to evaluate the integral, but you should sketch the solid.
- 3. Set up an integral that gives the volume of the solid obtained when the region in problem 1 is rotated around the line y = 1. You are not required to evaluate the integral, but you should sketch the solid.