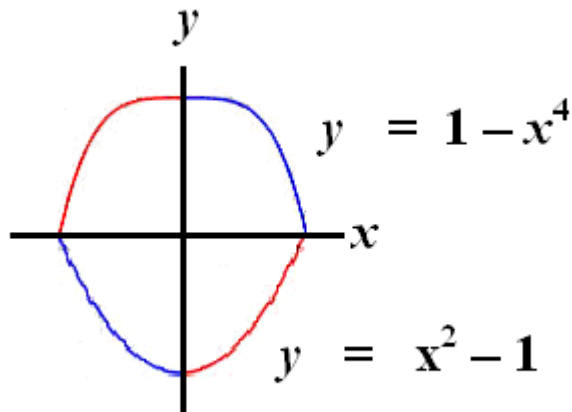# Mathematics 10B – 010, Fall 2009
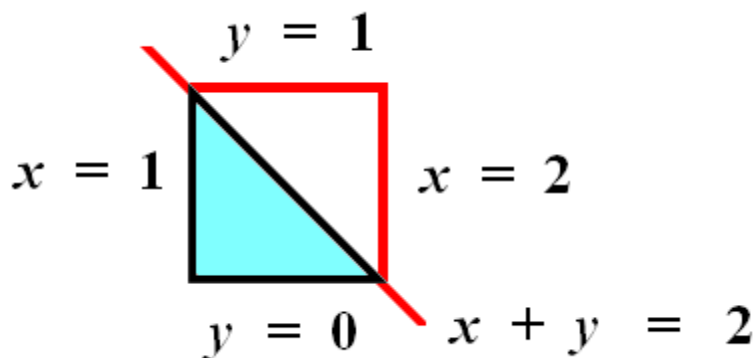
Drawings for Examination 1

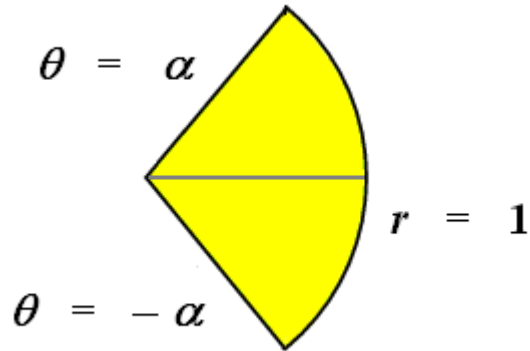**2.** The region in question is bounded by the red and blue curves.

These curve sketches are adapted from the following source:

http://webgraphing.com/examples_polynomials.jsp

3. The iterated integral in the problem is equal to the double integral over the solid triangular region sketched below. All vertical and horizontal limiting lines are displayed.

4. The region considered in the problem is sketched below.

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$$\theta = \alpha$$

$$r = 1$$

$$\theta = -\alpha$$

The gray line in the middle of the region is the x − axis, and it is also defined by the polar equation $\theta = 0$.