

**Quiz 3      Calculus 3      10/9/2007**

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Set up limits of integration for the integral of a function  $f$  on the triangular region with vertices  $(0,1)$ ,  $(4,1)$ ,  $(4,3)$ .

2. Set up limits of integration in polar coordinates for the integral of a function  $g$  on the region  $R$  shown below:

