**Integration Homework**

1. Find 

Then convert to an integral and evaluate

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2. 
3.  where R is a triangle bounded by , , 
4. Suppose you want to evaluate  where R is the region in the xy plane bounded by , , and . According to Fubini’s theorem you could use either the iterated integral  or  to evaluate the double integral. Which version do you prefer? Explain.
5. Find