Remember, when we studied §6.2 we found integrals which gave the volume of bagels. Today we will use techniques of integration to evaluate the integrals we found.

Now we are going to model bagels. Not all bagels are shaped the same, so we will try a couple of variants. The bagels that we make will be obtained by rotating the circle of radius $3/4$ inch centered at $(3/4, 0)$ around a line parallel to the $y$-axis.

(a) What is the volume of the bagel you get when you rotate around the line $x = 0$? EVALUATE the integral which you found for this question a previously.
(b) What is the volume of the bagel you get when you rotate around the line $x = -1/2$? Evaluate the integral which you found for this question a previously.

(c) Which bagel would you rather eat?