Print your name:	Score
. 7	

1. Use either cylindrical or spherical coordinates to find the mass of the region that is above the plane z=0, outside of the cone $x^2+y^2=z^2$, and inside the sphere $x^2+y^2+z^2=2$ and has density function z.

BONUS (worth 500 feel-special points, 0 class points): Write the same integral in spherical coordinates if you used cylindrical above, or vice versa.