In Homework 5, you should have calculated (for a round torus):

$$E = r^2 \quad F = 0 \quad \text{and } G = (R + r\cos u)^2$$

To calculate the surface area of the round donut (mmmm frosting):

a) $\int_0^{2\pi} \int_0^{2\pi} r^2 (R + r\cos u)^2 \, dv \, du$

b) $\int_0^{2\pi} \int_0^{2\pi} r(R + r\cos u) \, dv \, du$

c) $4\pi^2 r R$

d) more than one holds

e) none of the above