

**Geophysics 150: Home set due Nov. 8, 2000**

3a. Refer to problem 2: Obtain change in observed gravity, free air anomaly, and Bouguer anomaly for point 60 m horizontal from center of cylinder.

b. The angle formula can be used for a cylinder. Divide the cylinder into 3 equivalent slabs taking care to conserve total mass. Get anomaly over cylinder and 60 m from it. In this part compute only variation of anomaly from cylinder. How good is the slab approximation?

