

**MA 122: Reading Assignment 6**

Read Section 12.1 (in the multivariable book) and answer these questions:

- (1) What is the distance between the point  $(1, 2, 3)$  and the point  $(-2, 4, -6)$  in 3-space?
- (2) Find an equation for a sphere of radius 2 in 3-space centered at the origin.