

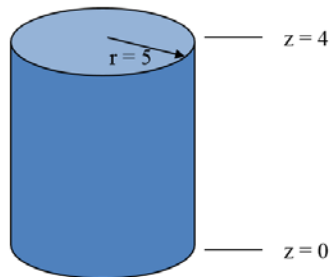
Homework #1:

Posted: Thursday, Feb 17th

1. Verify the Divergence Theorem for

$$\vec{A}(r, z) = \vec{a}_r r^2 + \vec{a}_z 2z$$

on a cylindrical region enclosed by  $r=5$ ,  $z=0$  and  $z=4$



Book Problems:

C. Balanis Chapter 1: Problems 1.14, 1.15, 1.20, 1.22, 1.25, 1.30