

MATH 251: Practice 16

June 24, 2015

Name: _____

1. Convert the point $(1, 1, 2)$ to both cylindrical and spherical coordinates.

2. Convert the equation $z^2 = x^2 + y^2$ into spherical coordinates.

3. Write the equation $z = x^2 + y^2$ in both cylindrical and spherical coordinates. Which one is easier?