

## ASSIGNMENT

Read 12.7

- p. 719 1,7,11,15,25,31,47,51,53,59,63

## TAKE-AWAYS

After reading this section, attending this class and doing this homework you should

- know how to convert between all the coordinate systems (rect, cylindrical and spherical)
- know how to describe certain surfaces in various coordinate systems in the easiest way possible (e.g., how to be best describe a cone)
- understand how to use both geometry and algebra to see the shape of a surface

## OTHER STUFF

Link from class:

<http://www.flashandmath.com/mathlets/multicalc/coords/>