

## Lab 1 – Wireless LANs

A. Chapter 3 in your text discusses various types of Wireless LANs. For each type of Wireless LAN listed below, come up with a brief definition and 2 applications in the real world (either how you have seen it applied, or find something online). 15 pts

LAN Type	Definition/Description	Applications (list 2)
Ad Hoc Wireless LAN		
MESH Wireless Network		
Infrastructure Wireless LAN		

B. The ACME Cellular Company wants to install a wireless LAN in their corporate headquarters. The company has a wired LAN that uses Cat5E cable, and servers. The headquarters is 5,250 square feet, and includes all administrative functions and a waiting room/reception for guests that are visiting the company. They want to provide wireless to the guest space that is separate from the main network. Below is the current configuration for ACME. Your job is to spec out a wireless network that ties into the existing wired network. What equipment will they need (hardware, and software) to set up the new wireless network. They have 5 Dell Rack Mount Servers, and 3 Switches that support 110 users in the admin office. 35 pts.

# ACME Cellular

75ft

