Challenge 1:

1. XY: in\_features
2. Dissolve: in\_features, out\_feature\_class
3. XY: No optional
4. Dissolve: dissolve\_field(default:N/A), statistics\_fields(default:N/A), multi\_part(default:MULTI\_PART), unsplit\_lines(default:DISSOLVE\_LINES)

Challenge 2:

arcpy.AddXY\_management(“hospitals.shp”)

Challenge 3:

arcpy.Dissolve\_management(“parks.shp”, “C:/output/output.gdb/parks\_dissolved”, [“PARK\_TYPE”], “”, “SINGLE\_PART”, “”)

Challenge 4:

if arcpy.CheckExtension(“3DAnalyst”) == “Available”:

print “3D Analyst available.”

else:

print “3D Analyst not available”

if arcpy.CheckExtension(“NetworkAnalyst”) == “Available”:

print “Network Analyst available.”

else:

print “Network Analyst not available”

if arcpy.CheckExtension(“Spatial”) == “Available”:

print “Spatial available.”

else:

print “Spatial not available”