Due Date: **April 20, 2017**
Point Total: **10 points**

**California Hillshade**

For this assignment you will be creating three separate hillshades for California.

1. Add the California DEM to ArcMap
1. This DEM is found at http://sampleserver3.arcgisonline.com/ArcGIS/rest/services/Earthquakes/CaliforniaDEM/ImageServer to add to ArcMap use the following steps
1. Click the Add Data button
2. From the Look in: drop-down choose GIS Servers
3. Click the Add ArcGIS Server option
4. Select Use GIS services option and click Next
5. For the Server URL: type http://sampleserver3.arcgisonline.com/ArcGIS/
6. Do not enter a User Name or Password
7. Click Finish
8. Navigate into new connection then open the Earthquakes folder
9. Add the CaliforniaDEM layer to ArcMap

10. Create a standard hillshade using the default hillshade tool.
11. Download and unzip the Terrain Tools found at http://www.arcgis.com/home/item.html?id=4b2ea7c5f87d476a8849c804b81667aa

12. Add the toolbox to ArcMap
13. Create two additional terrain representations using the tools/techniques from the toolbox.

- Prior to creating your terrain representations be sure to read the documentation found in the Doc folder to understand what each tool actually does.
- Some of these techniques will be slow due to the amount of processing they do.

**What to turn in:**

1. An letter size map for each of these terrain representations along with some reference data overlaid on top of them