Slope Analysis of Contours: Using Spatial Analyst in ArcGIS

How to calculate slope

1. **Click the Spatial Analyst dropdown arrow**, point to Surface Analysis, and click Slope.
2. **Click the Input surface dropdown arrow** and click the surface for which you want to calculate the slope.
3. **Choose the Output measurement units**.
4. **Specify a z-factor** if your z units are in a different unit of measure than your x,y units.
   
   A. Z units are multiplied by the z-factor specified to convert the z units to the same unit of measure as the x,y units.
5. **Optionally, change the default Output cell size**.
6. **Specify a name for the output**, or leave the default to create a temporary dataset in your working directory.
7. **Click OK**.