**Summary**

These instructions describe how to find the centroid of polygons using Calculate Geometry within the attribute table of a feature class. This workflow can be especially useful when an Advanced/ArcEditor license is not available and the [Feature to Point tool](http://desktop.arcgis.com/en/desktop/latest/tools/data-management-toolbox/feature-to-point.htm) is inaccessible.

**Procedure**

1. In the map document, open the attribute table for the polygon feature class by right-clicking the layer name.
2. In the attribute table, navigate to Table Options > Add Field and add two new fields of type Double. Name one 'Longitude' and the other 'Latitude'.
3. Right-click the Longitude field and select Calculate Geometry.
4. In the Calculate Geometry dialog box, select 'X Coordinate of Centroid' from the Property drop-down menu. Click OK.
5. Right-click the Latitude field and select Calculate Geometry.
6. In the Calculate Geometry dialog box, select 'Y Coordinate of Centroid' from the Property drop-down menu. Click OK.
7. Export to a table:

a. In the attribute table, select Table Options > Export.   
b. Specify a name and location for the new table.   
c. Click OK and Yes to add the new table to the current map.

1. Make an XY Event layer:

a. Right-click the table that has been added to the Table of Contents and select Display XY Data.   
b. For the X Field, select the Longitude field.   
c. For the Y Field, select the Latitude field.   
d. Select the spatial reference or coordinate system.   
e. Click OK.