Adding X and Y Coordinates to a Point Theme’s Attribute Table in ArcMap

1. Add the layer to an ArcMap document.

2. Open the attribute table by right-clicking the theme in the Table of Contents window.

3. If there is no X-coordinate field, select Add Field from the Options menu.

   ![Add Field dialog box](image)

   Add a new field of type double called XCoord or X_Coord. Repeat to add a Y_Coord field.

4. Right-click the field heading for the X field and select Calculate Values.

   ![Calculate Values dialog box](image)

5. Check Advanced.
6. Type the following VBA code in the Pre-logic VBA Script Code text box:

    Dim dblX As Double
    Dim pPoint As IPoint
    Set pPoint = [Shape]
    dblX = pPoint.X

7. Type the variable name dblX in the text box directly under the X field name (X_Coord=)

8. Click OK

9. Repeat steps 4-7 for the Y-coordinate values, substituting Y for X in the variable names (dblY and pPointY).

Saved field calculator expressions are available from http://forest.mtu.edu/staff/mdhyslop/gis/