**Department of Mathematics and Computer Science**

**South Dakota School of Mines and Technology**

Math 373 17\_Explicit\_PDQ

1. Solve a 2D USS HC problem using MATLAB.
2. Solve a 2D SS HC problem with any irregular geometry of your choice. For example:

Make certain that you have at least 10 increments across the thinnest section. Of course, use different temperatures on selected sides. Note how often the corner values are used. Be sure to set the calculation mode to “Iterative”. Hold the “F9” key down to relax into the solution. It is suggested to set Iteration to “1” iteration per F9 depress so that one can watch the relaxation solution execute.