Name:

Today’s goal: find the underlying polygons in shapes with rotational symmetry.

General instructions:

* Find interesting designs with rotational symmetry.
* Tell where the designs come from (url and description)
* recreate the outline of the designs with symmetry artist: <http://www.mathsisfun.com/geometry/symmetry-artist.html> (copy your design in using Grab (Mac) or the Snipping tool (PC)
* Use the line tool to add the underlying regular polygon to the outline.

For full credit, you need 4 shapes, each with a different underlying regular polygon, each with an interesting background.

**Save** this file and turn it in electronically into the D2L drop box.

Links you may find useful:

<http://www.sampleireland.com/celtic-symbols.html>

<http://britton.disted.camosun.bc.ca/jbsymteslk.htm>

Search terms you may find useful:

* symmetry
* design
* kaleidoscope
* rotational symmetry

1.

a. This design comes from the web site:

b. It has rotational symmetry of order:

c. This is a design from [cultural background]:

d. Its associated polygon is a:

e. The original design: f. My symmetry artist version:

2.

a. This design comes from the web site:

b. It has rotational symmetry of order:

c. This is a design from [cultural background]:

d. Its associated polygon is a:

e. The original design: f. My symmetry artist version:

3.

a. This design comes from the web site:

b. It has rotational symmetry of order:

c. This is a design from [cultural background]:

d. Its associated polygon is a:

e. The original design: f. My symmetry artist version:

4.

a. This design comes from the web site:

b. It has rotational symmetry of order:

c. This is a design from [cultural background]:

d. Its associated polygon is a:

e. The original design: f. My symmetry artist version: