Mathematics

Rotational Symmetry

# Independent Task

Miss Oreyomi

Questions

1. Write down the order of rotational symmetry of each of the following shapes.

a)

b)

c)

d)

e)

f)
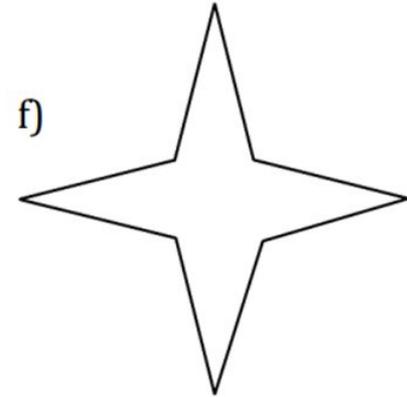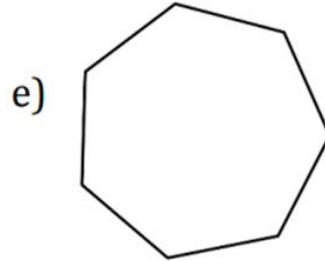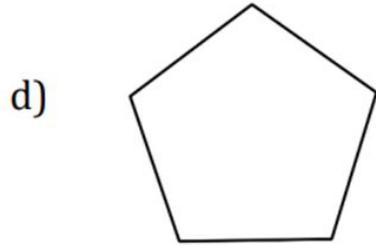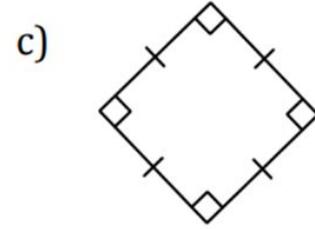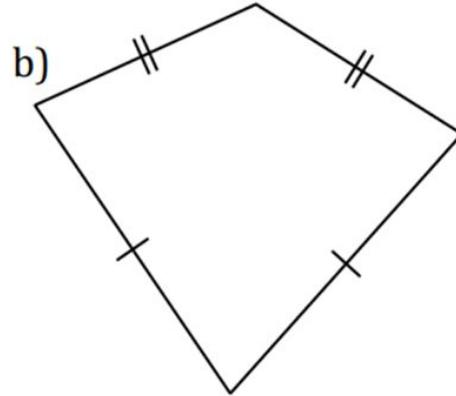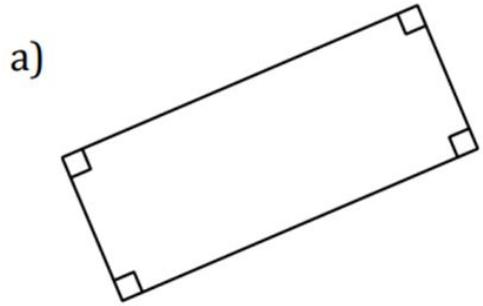
Consider a 3 x 3 square grid.

a) How many ways can you shade complete squares to create a shape that has rotational symmetry order 2?

b) What is the maximum number of squares you can shade so that the shape created has rotational symmetry order 2?
What is the minimum?

c) Answer parts a) and b) for a 4 x 4 square grid.