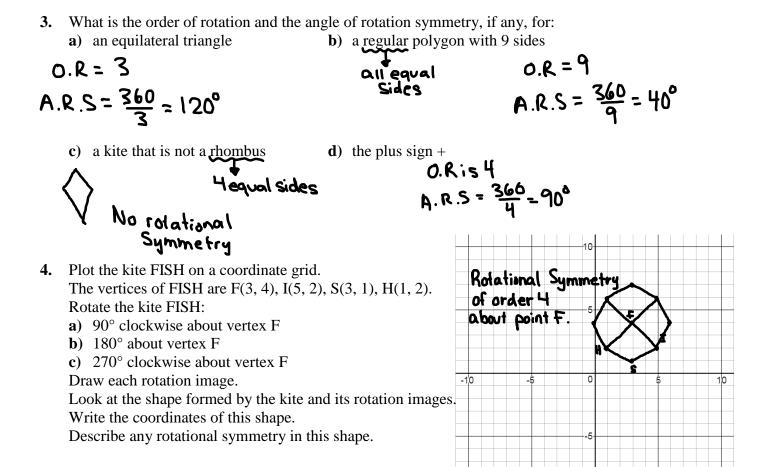
Unit 7: Similarity and Transformations

Name:

7.6 Reflections and Line Symmetry – Worksheet

1. Which polygons have rotational symmetry? State the order of rotation and the angle of rotation symmetry for each. a) b) c) d) N0 Ord Order of rotation rotation .r×= 4 is 2 s = 3<u>66</u> = 180° ARS = 360/4 = 90° Ingle R.S = 360 = 180° Draw the rotation image for each rotation of quadrilateral ABCD. 2. R Rotate quadrilateral ABCD clockwise about vertex D by: **a**) 60° **b**) 120° **c)** 180° **d**) 240° **e**) 300° Consider the larger shape formed by quadrilateral ABCD and these rotation images. Describe the symmetry of this shape. Order of lotational Symmetry is G Angle R.S - <u>360</u>



- 5. Draw the rotation image for each transformation of quadrilateral ABCD.
 - a) 180° about vertex B
 - **b**) 90° clockwise about vertex A
 - c) 90° counterclockwise about point E

