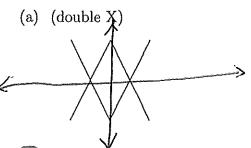
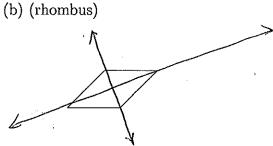
Math 118 - Dr. Miller - Quiz #14: Two-Dimensional Symmetry - In-Class Wednesday, 4/16/14

You MAY collaborate on this assignment.

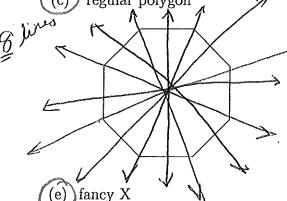
1. Sketch all possible lines of symmetry for each figure below. (Some may have none.)



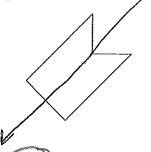
regular polygon



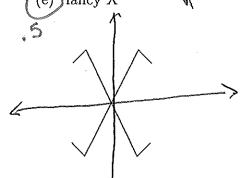
(d) nonregular polygon



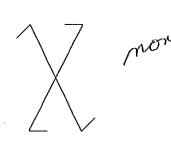
(e) fancy X



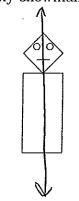
(f) another fancy X

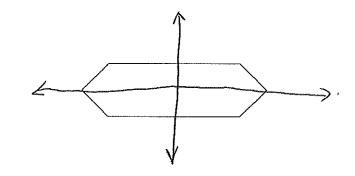


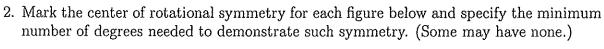
boxy snowman (g)



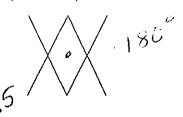
(h) nonregular polygon



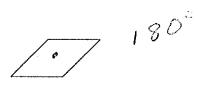




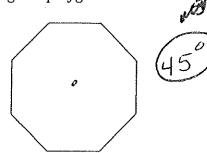
(a) (double X)



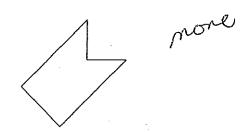
(b) (rhombus)



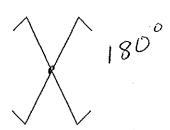
(c) regular polygon



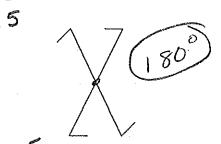
(d) nonregular polygon



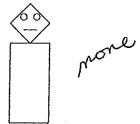
(e) fancy X



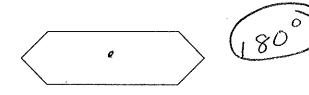
(f) another fancy X

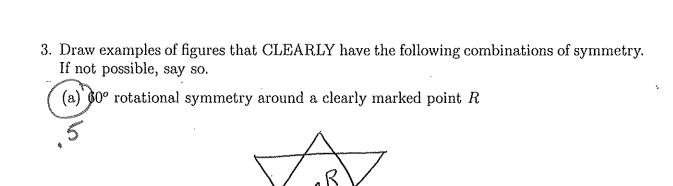


(g) boxy snowman



(h) nonregular polygon



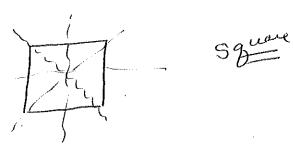




(b) Reflectional symmetry but no other kind of symmetry

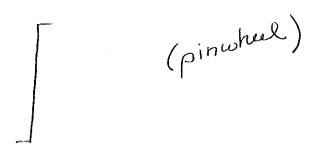


(c) Four concurrent lines of symmetry

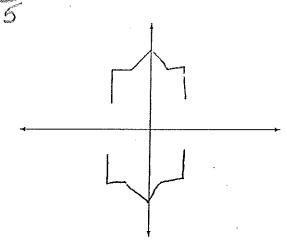


,6

(d) Rotational symmetry but not reflectional symmetry



4. Complete the diagram below so that both lines are lines of symmetry.



 \bigcirc 5 Complete the diagram below so that it has 90° rotational symmetry around point P.

