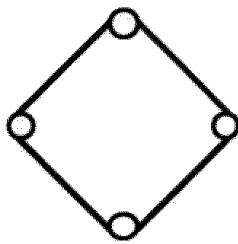


Tiling & Symmetry



1. How many axes of symmetry (if any) are there in each of the following shapes?

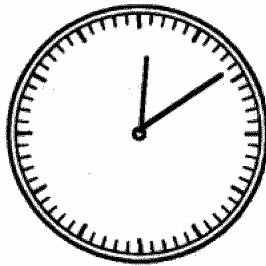
a)



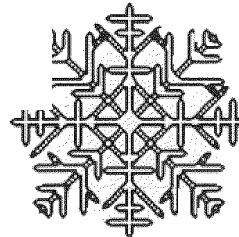
b)



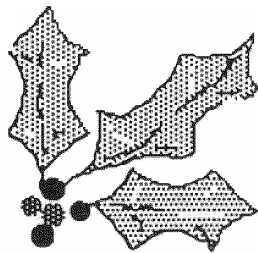
c)



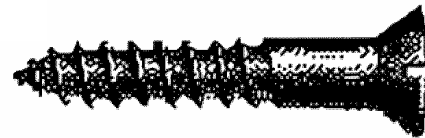
d)



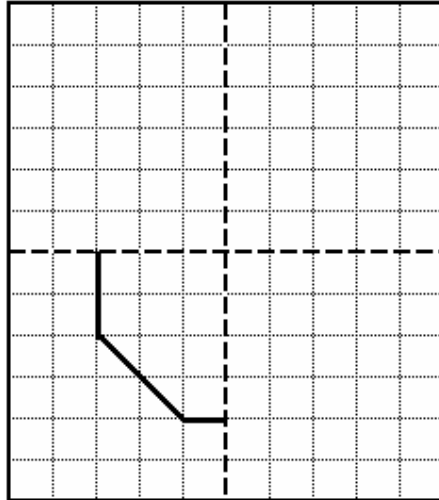
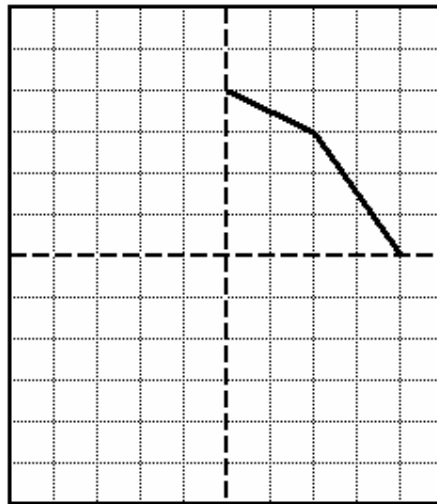
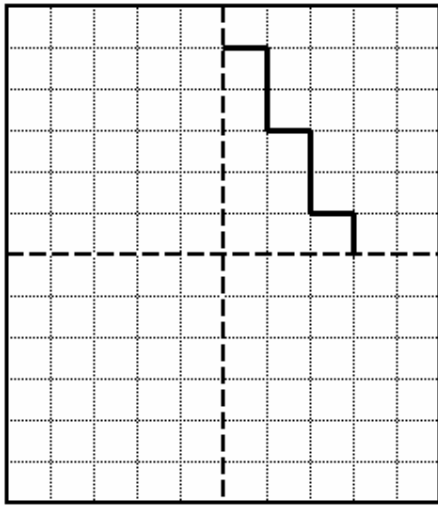
e)



f)

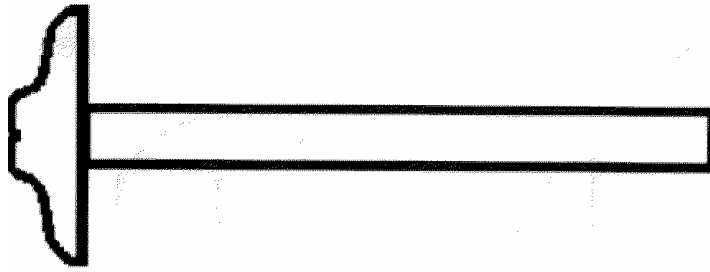


2. Complete the following drawings so that the two dotted lines are the axes of symmetry.

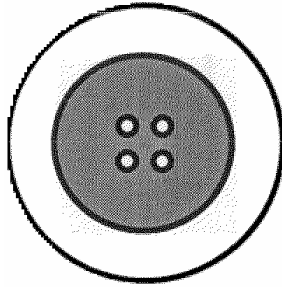


3. Draw all the lines of symmetry onto each of these pictures.

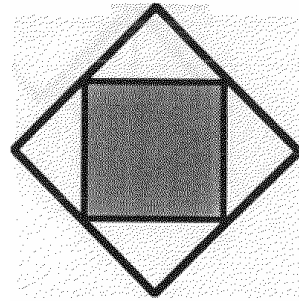
a)



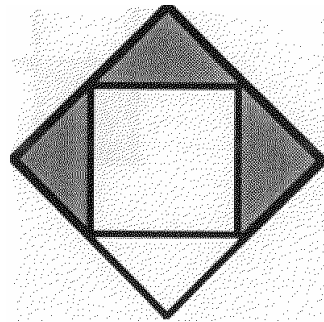
b)



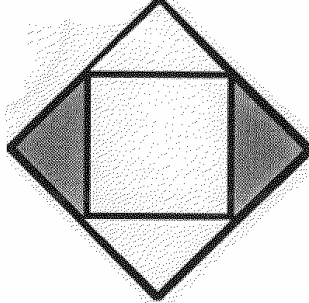
c)



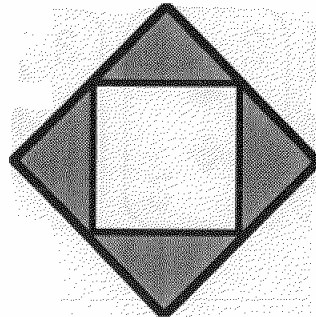
d)



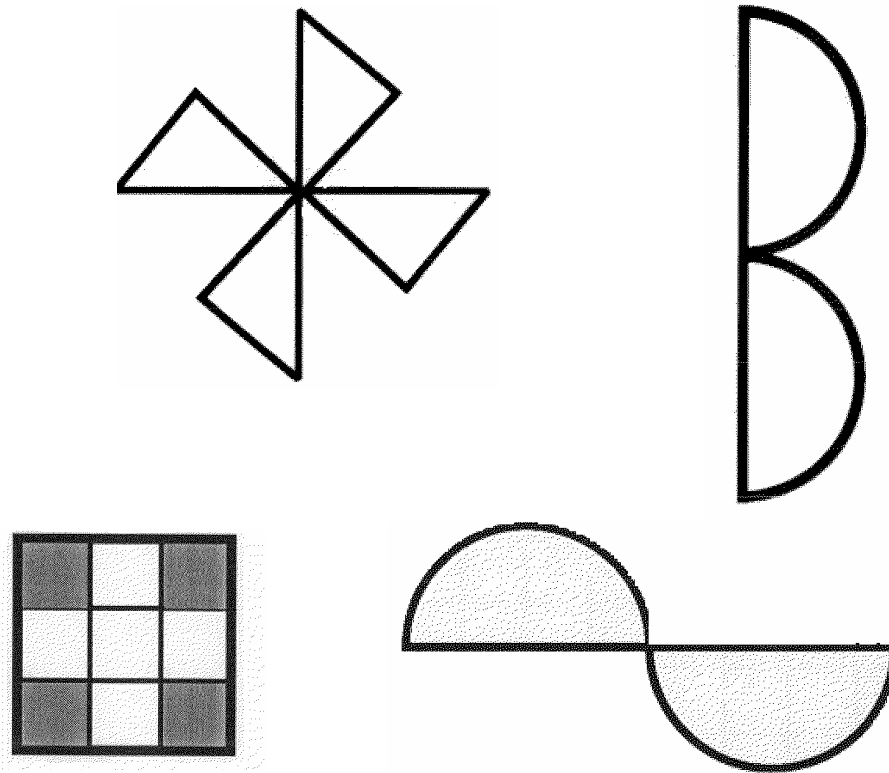
e)



f)

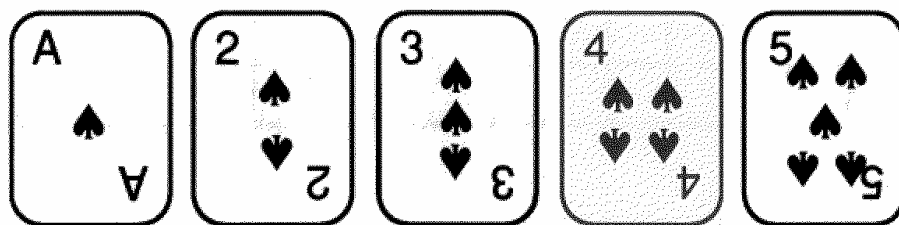


4. Decide whether each shape has $\frac{1}{4}$ -turn symmetry, $\frac{1}{2}$ -turn symmetry or neither.



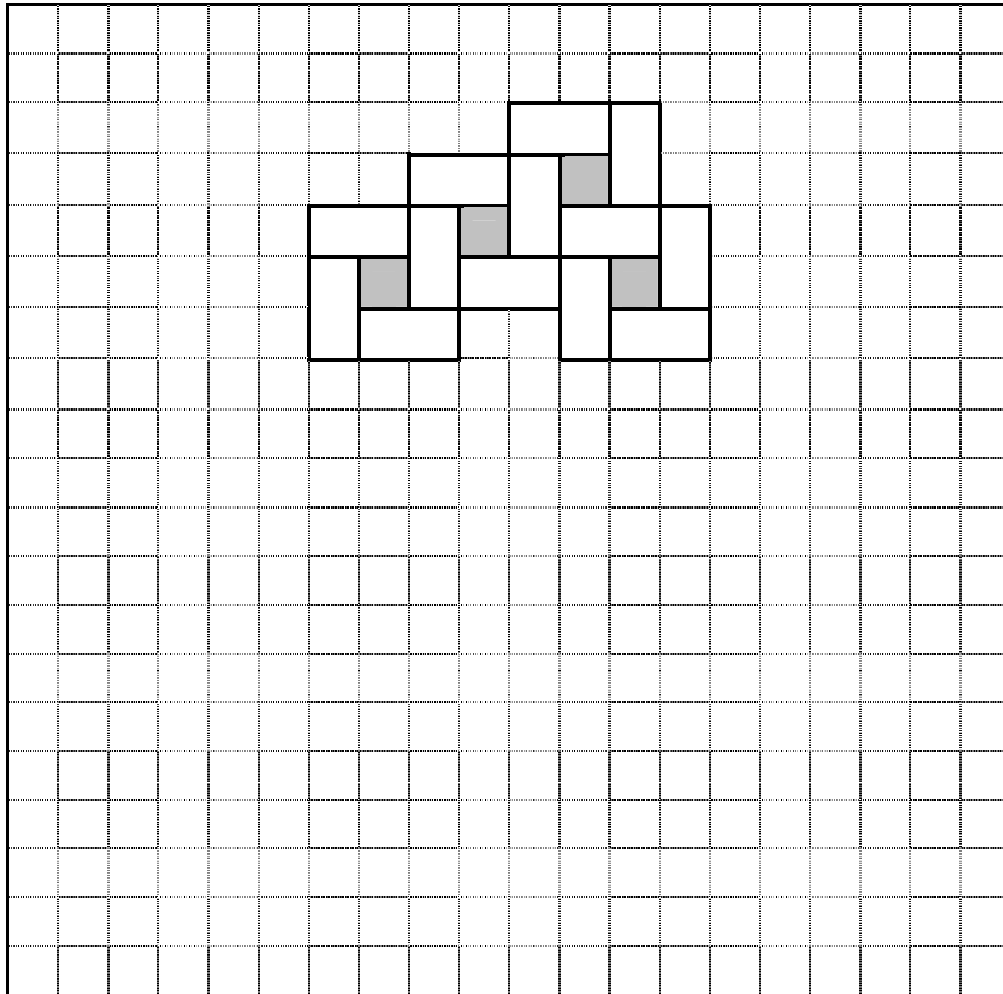
(4)

5. Tick the cards which have half-turn symmetry.



(5)

6. Extend this pattern of rectangular and square tiles until the pattern contains at least twelve square tiles.



(4)

————— END OF HOMEWORK EXERCISE —————

[40]