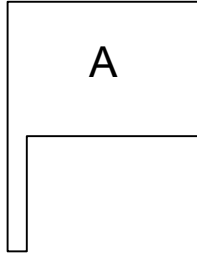


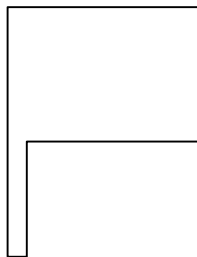
Transformation Assessment

Name: _____

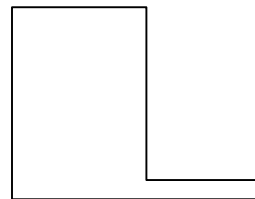
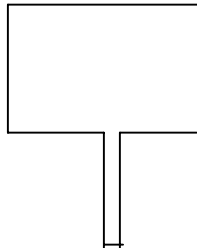
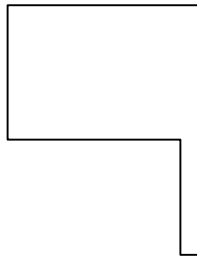
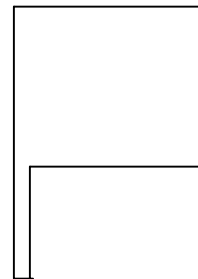
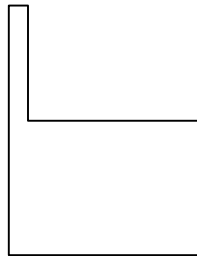
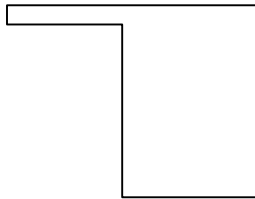
1. This is shape A.



Shape A can be traced to draw shapes like this one.

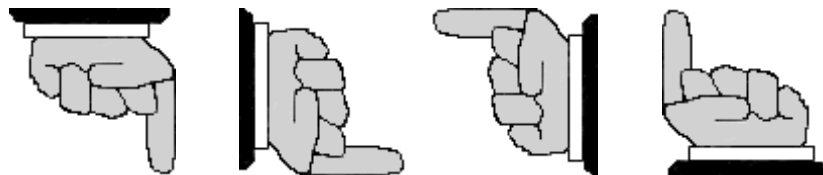
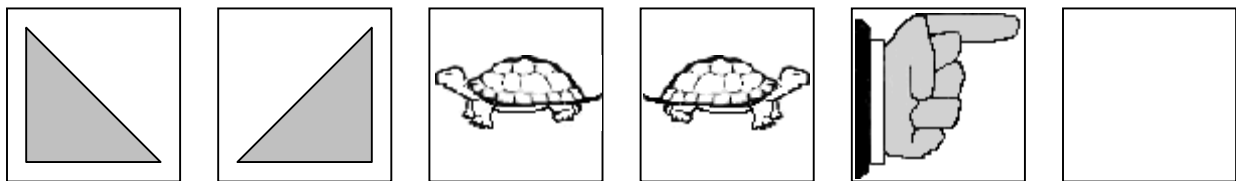
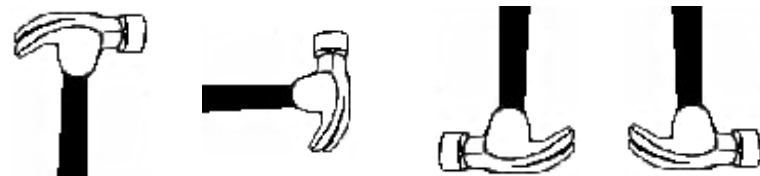
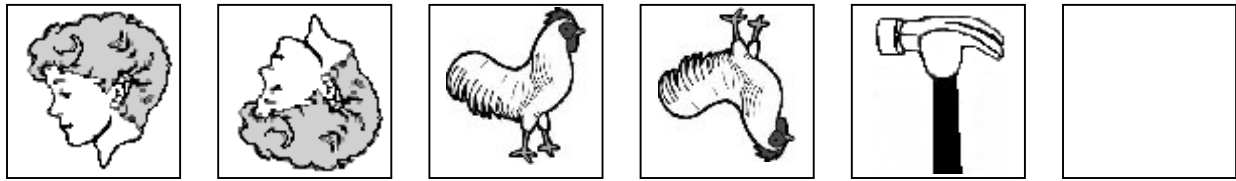
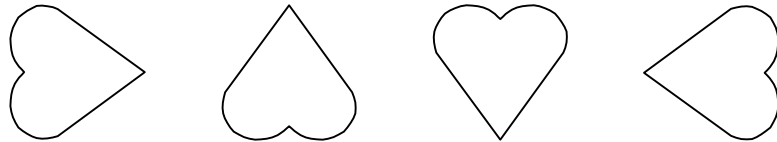
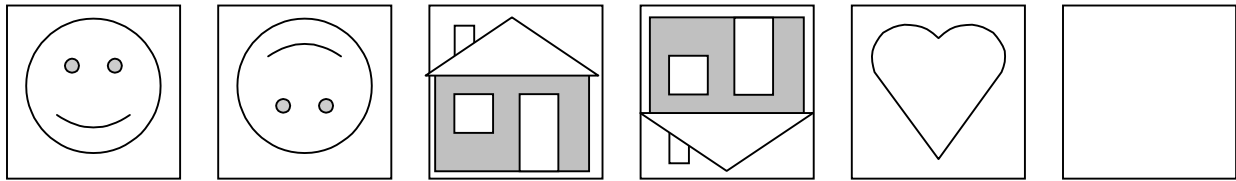


Circle all of the shapes that can be traced with shape A.

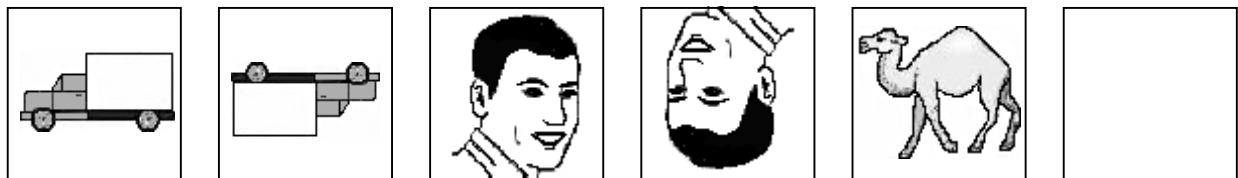
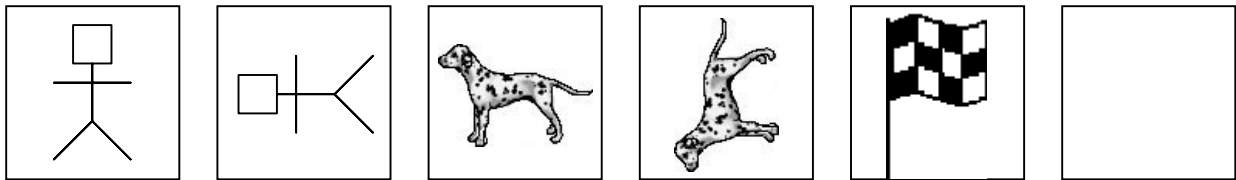


Task adapted from: Clements, D. H. & Battista, M. T. (1989). Learning of geometric concepts in a logo environment. Journal for Research in Mathematics Education, 20, 450-467.

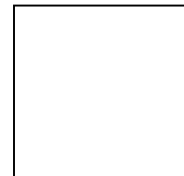
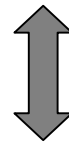
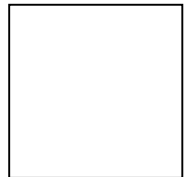
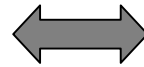
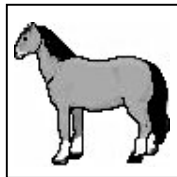
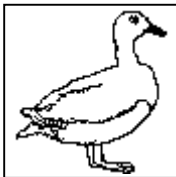
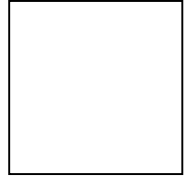
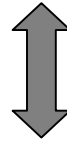
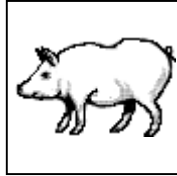
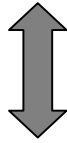
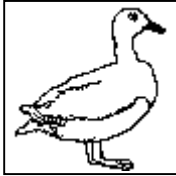
Circle the shape that comes next in the pattern.



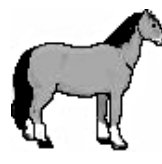
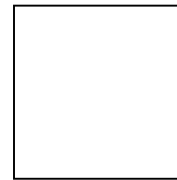
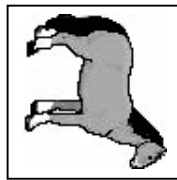
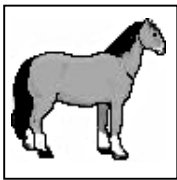
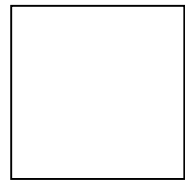
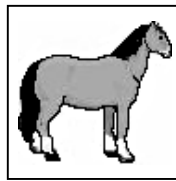
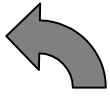
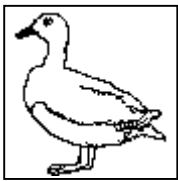
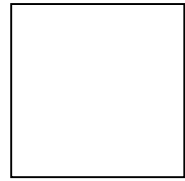
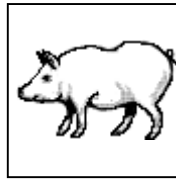
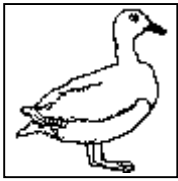
Circle the shape that comes next in the pattern.



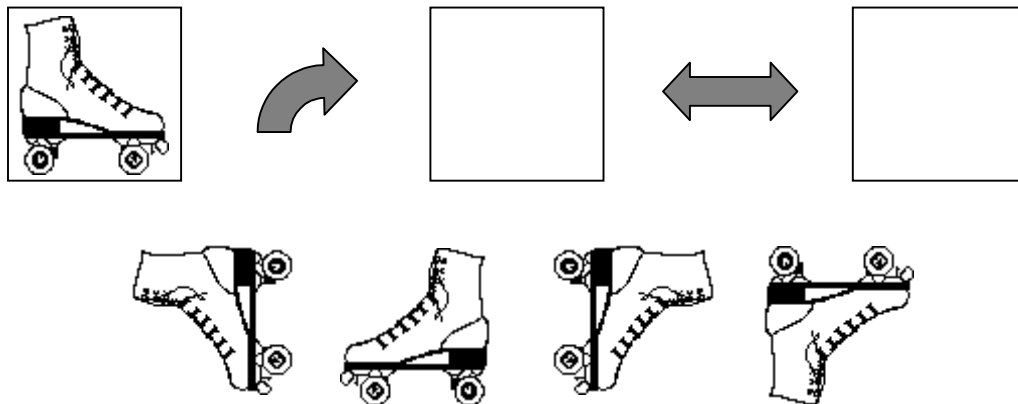
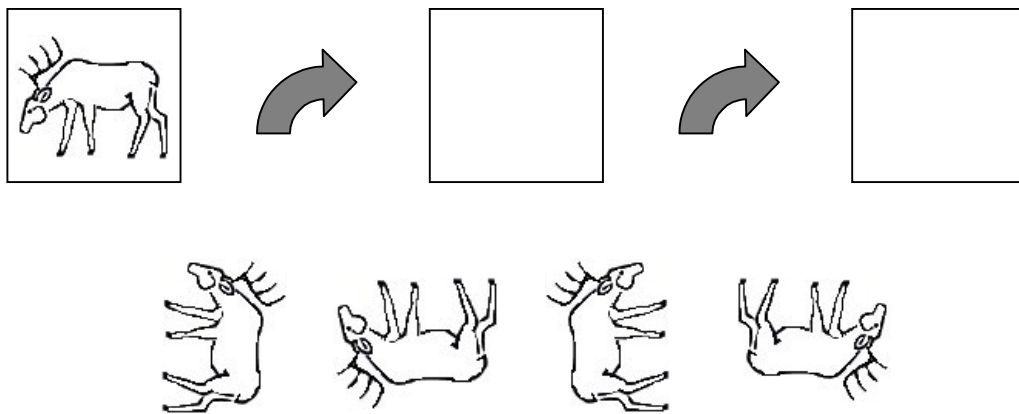
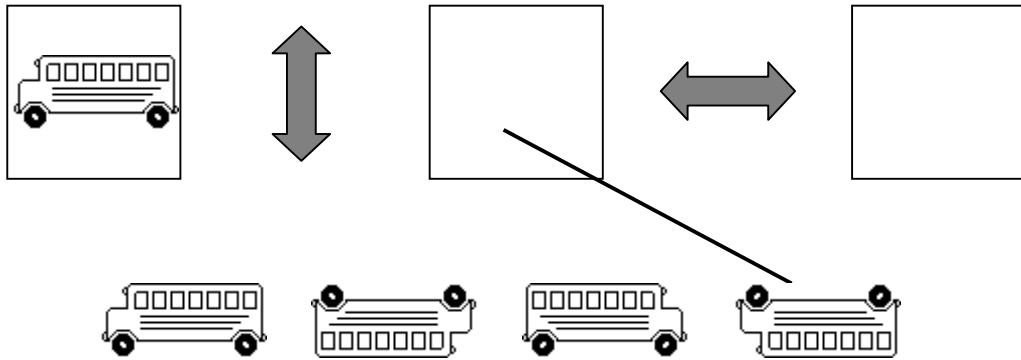
The arrow shows how the picture is changed.
 Circle the shape that belongs in the empty box.



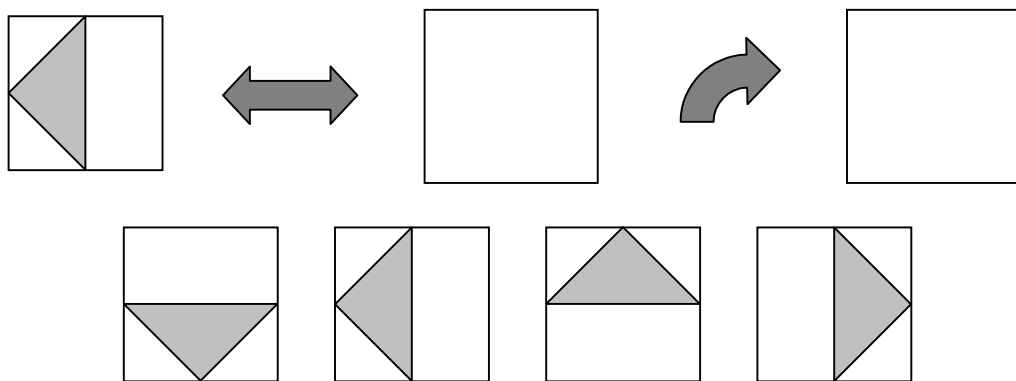
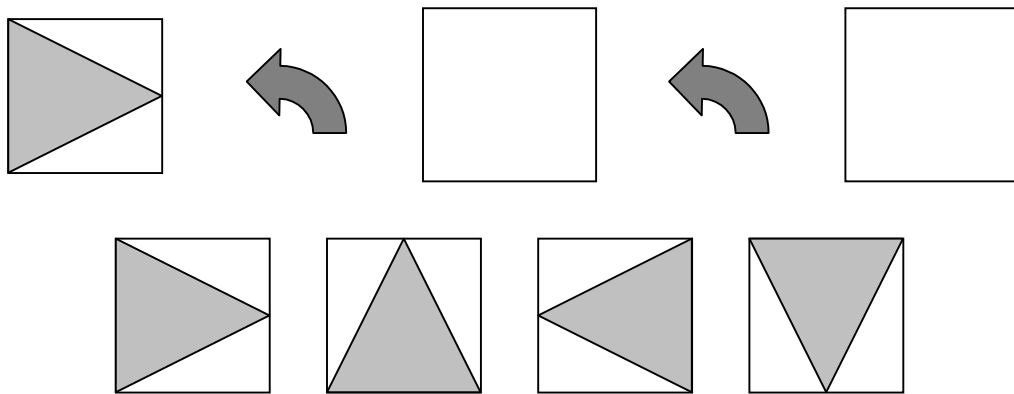
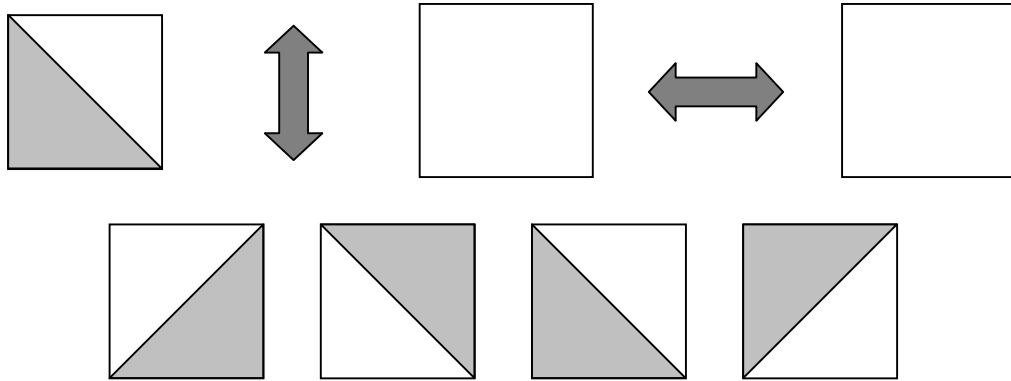
The arrow shows how the picture is changed.
 Circle the shape that belongs in the empty box.



The arrow shows how the picture is changed.
 Draw lines to show which shapes belong in the empty boxes.
 The first one is done for you.



The arrow shows how the picture is changed.
 Draw lines to show which shapes belong in the empty boxes.



The arrow shows how the picture is changed.
 Draw lines to show which shapes belong in the empty boxes.

