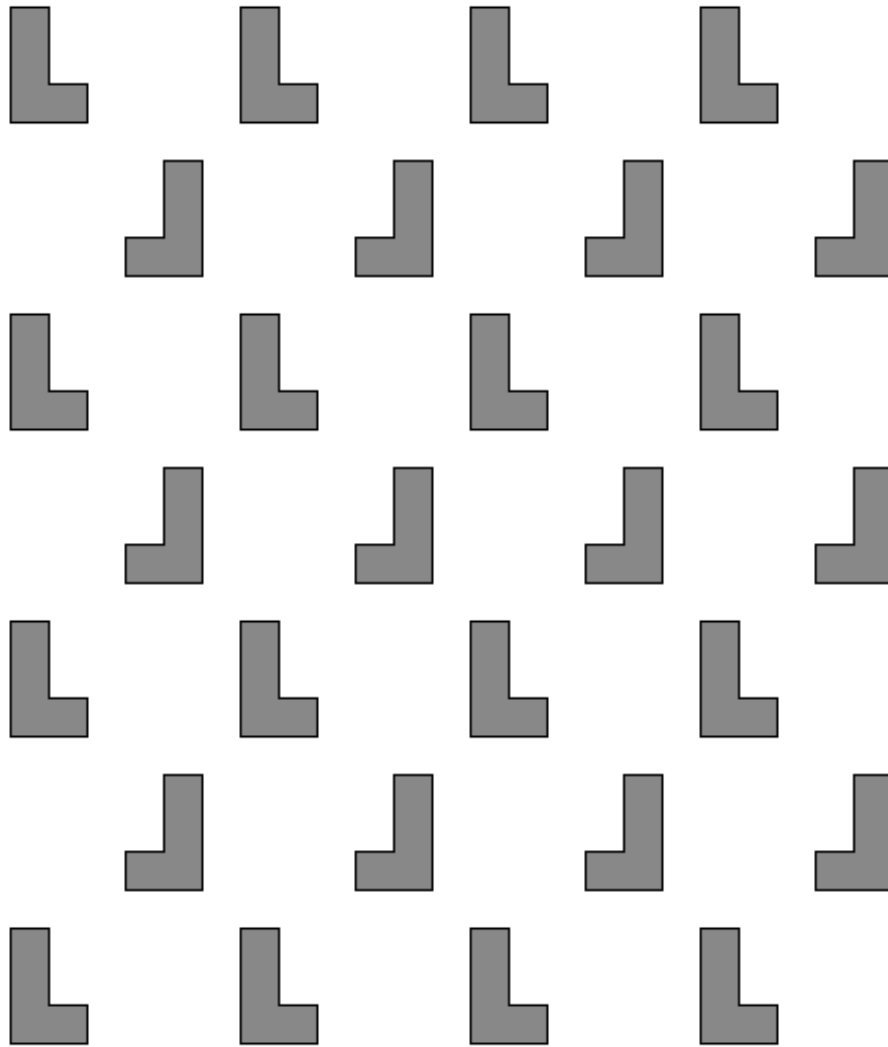


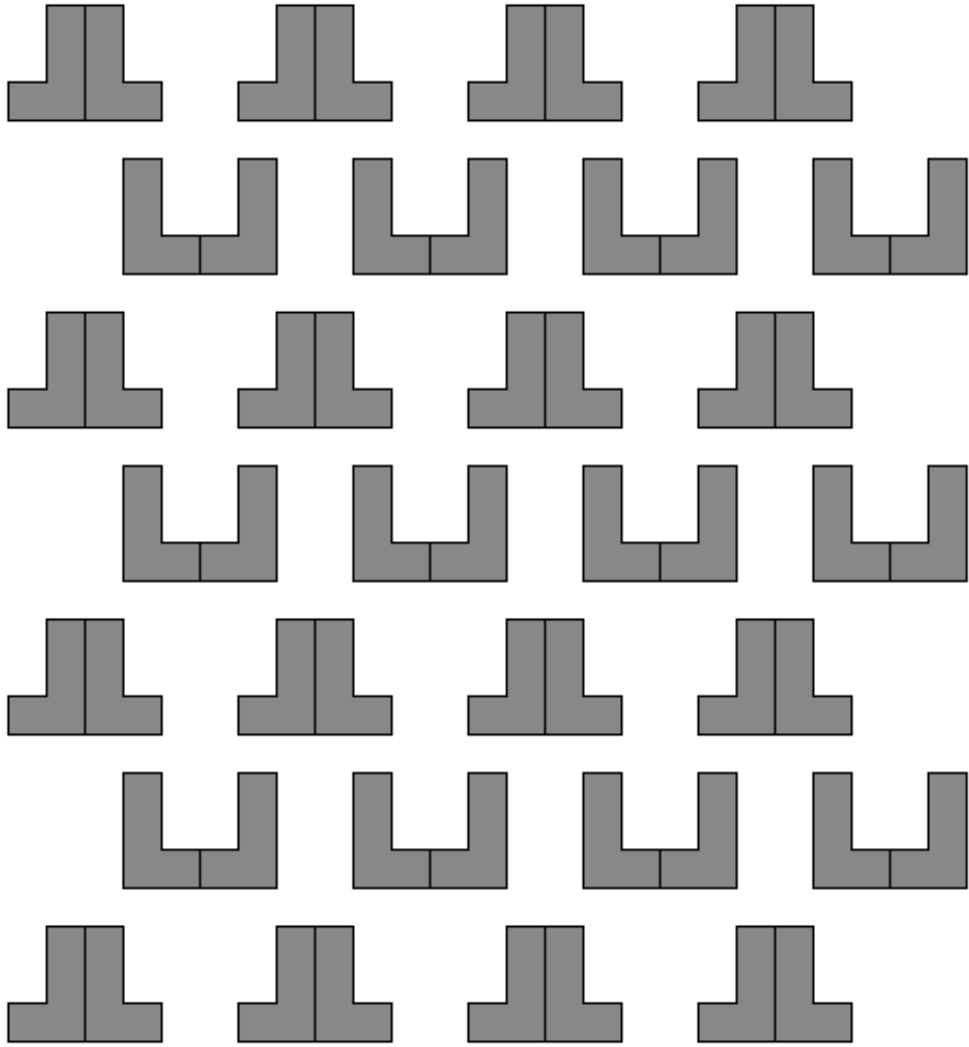
**MAT 203 -- Homework #3**

(1) Classify the following wallpaper patterns, providing in each case two (glide) reflections (one of each kind) and two diagonal translations:

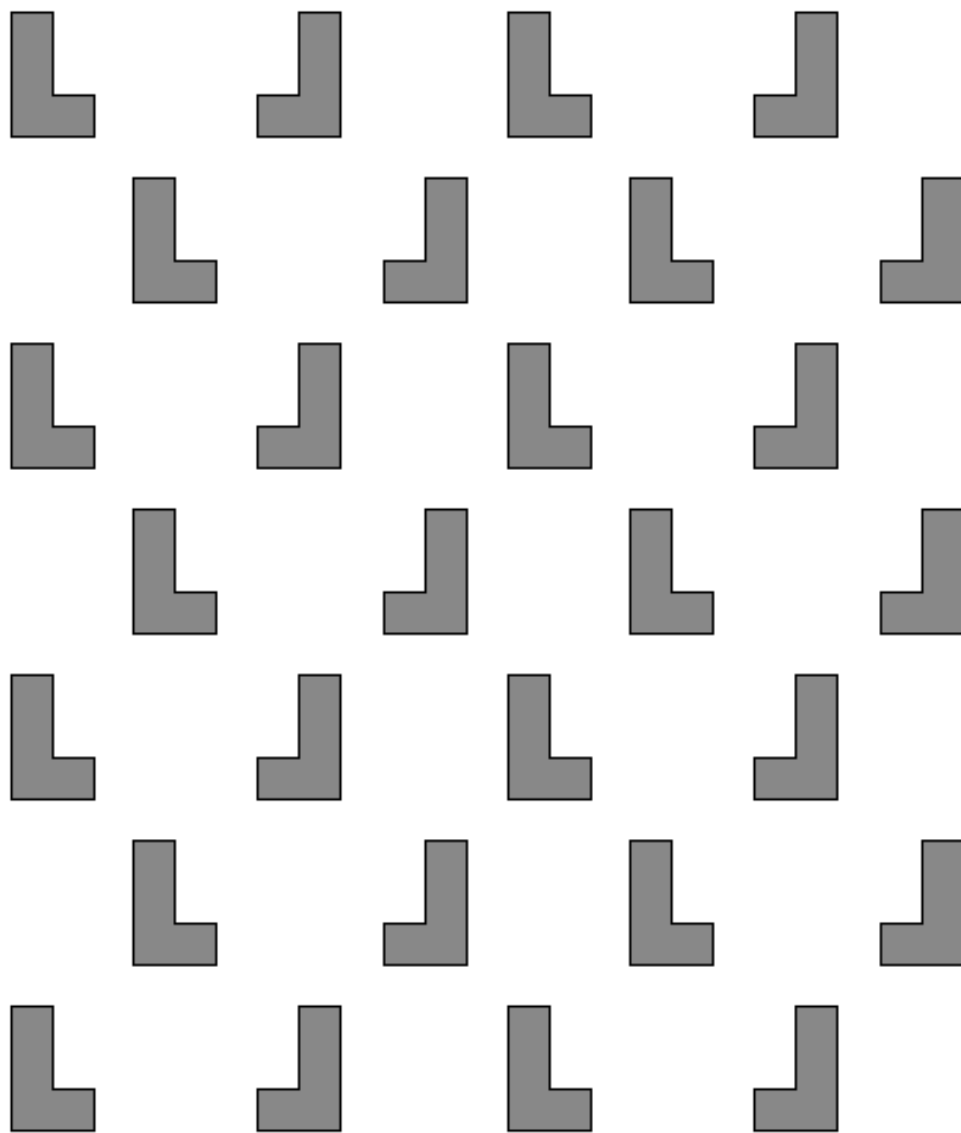
(a)



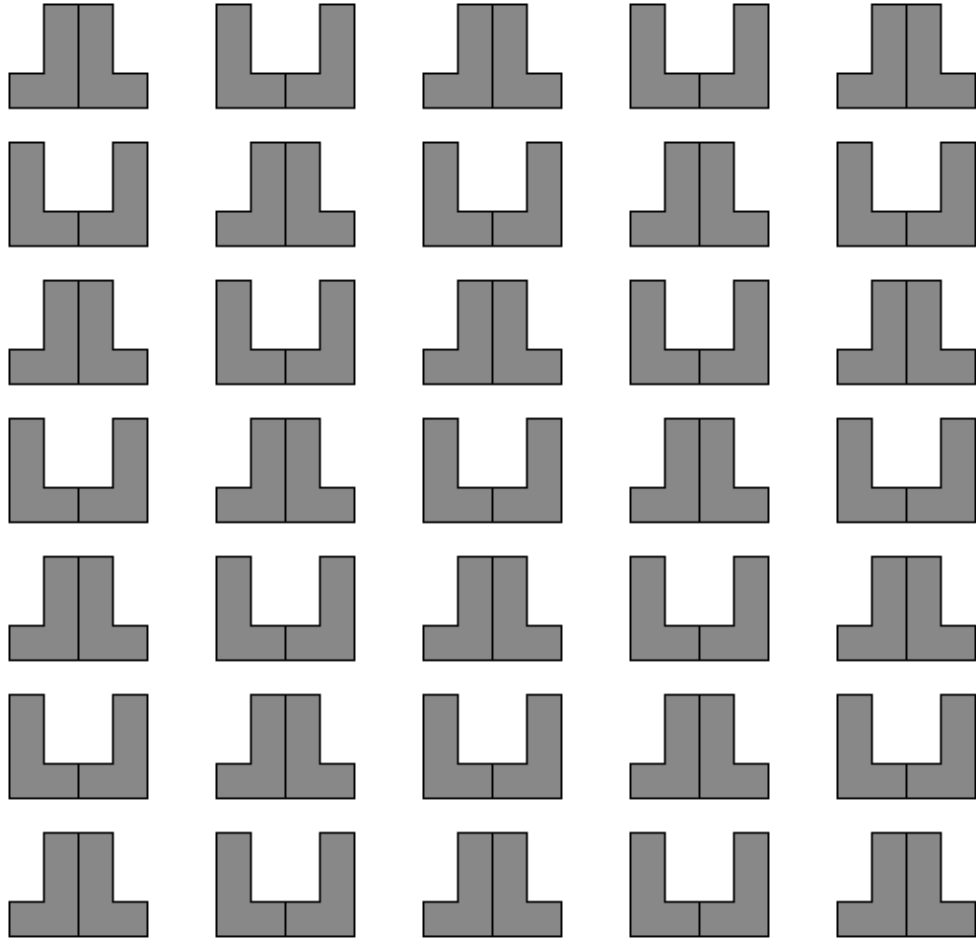
(b)



(c)



(d)



(2) Determine the following isometry compositions:  $M \circ G$ ,  $G \circ M$ ,  $M \circ T$ ,  $T \circ M$ ,  $G \circ T$ ,  $T \circ G$ .

