(1) Determine the indicated compositions:

(a) $R \circ G$
(b)

\[ G \ast T \]
(2) Determine the following images:

(a) 

![Diagram of a grid with a path indicated by an arrow and a label R[ G ]](image)
(3) Classify the following wallpaper patterns, justifying your answer in detail (by indicating a few crucial isometries).

(a)