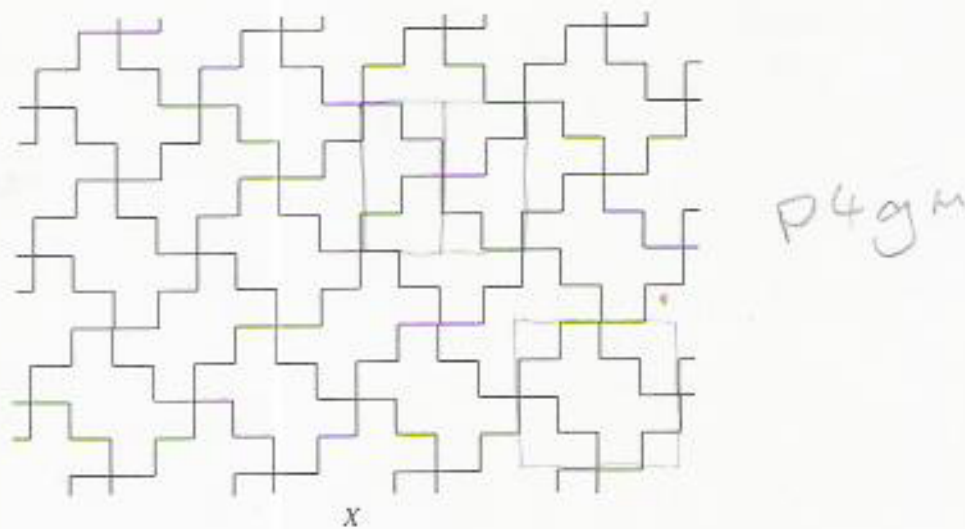
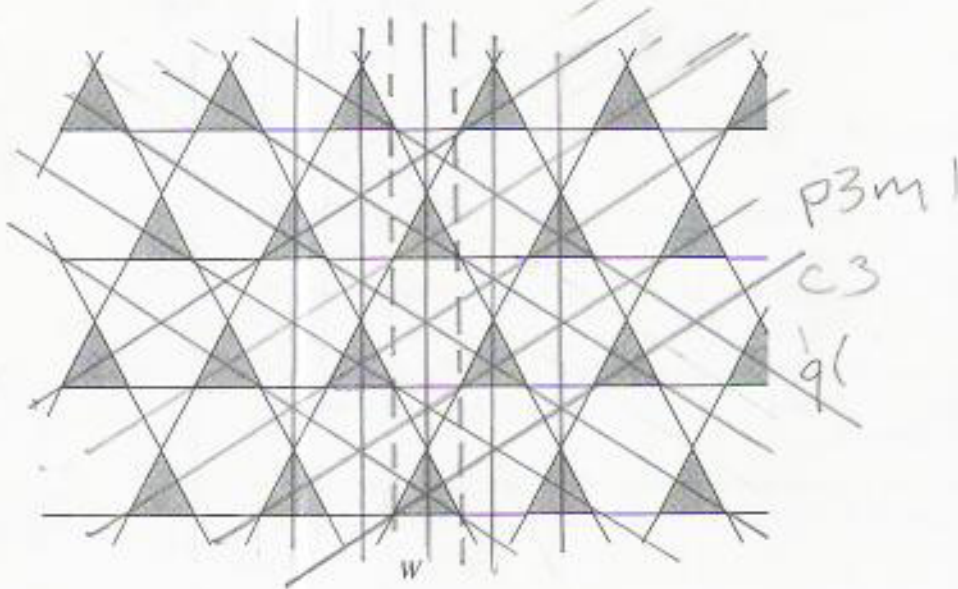


Question 4 (Unit GE4)

This question concerns the two wallpaper patterns W , X shown below.



W is formed from the Archimedean tiling $(3,6,3,6)$ by shading all of the triangles in one of the two orientations, while X is a tiling each tile of which can be formed by amalgamating eight small square tiles, as follows.



For each of the patterns W and X , a further portion is provided on the back cover of this booklet, which you should use to answer parts (a) and (b) below.

- (a) On each of the patterns W , X , using a colour other than black, outline a basic parallelogram and shade a generating region.

[6]