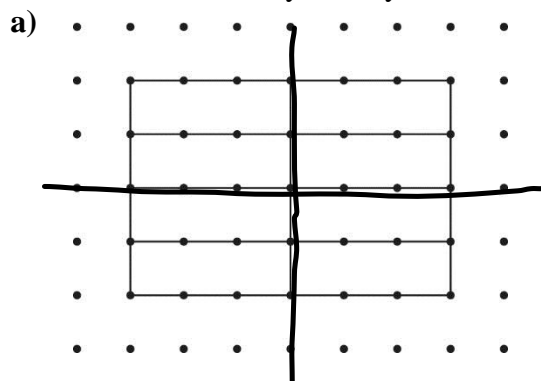
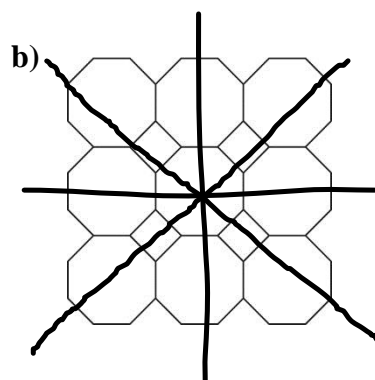


7.5 Reflections and Line Symmetry – Worksheet

1. Draw in the lines of symmetry in each design.

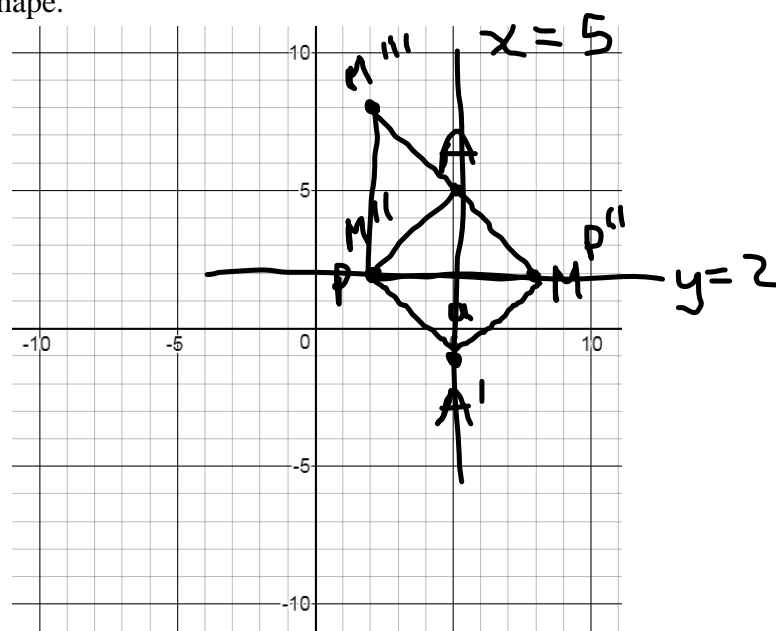
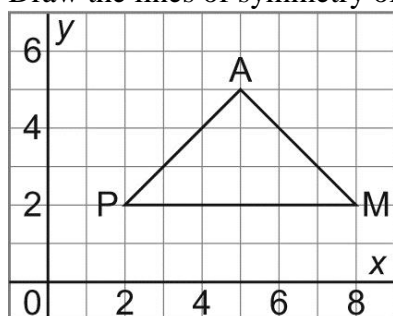


2 lines of symmetry



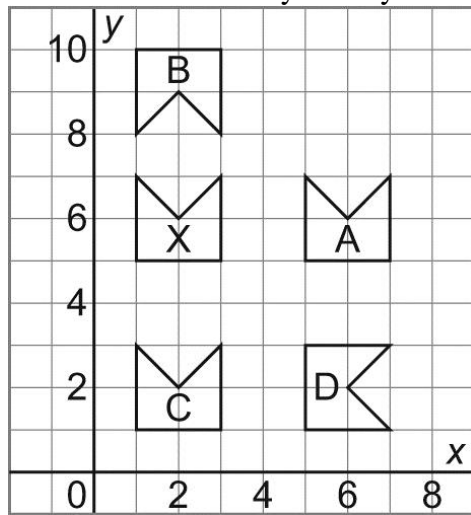
4 lines of symmetry

2. Draw the image of $\triangle PAM$ after each reflection below.
Write the coordinates of the larger shape formed by $\triangle PAM$ and its reflection images.
Draw the lines of symmetry of the larger shape.



- Reflect $\triangle PAM$ in the horizontal line passing through 2 on the y -axis.
- Reflect $\triangle PAM$ in the vertical line passing through 5 on the x -axis.
- Reflect $\triangle PAM$ in the oblique line passing through the points (2, 2) and (5, 5).

3. Identify the shapes that are related to the shape X by a line of reflection.
Describe the line of symmetry in each case.



A \rightarrow reflection in line $x = 4$

B \rightarrow reflection in line $y = 7.5$

C \rightarrow not related by line symmetry

D \rightarrow reflection in oblique line passing through (0,0) and (8,8)