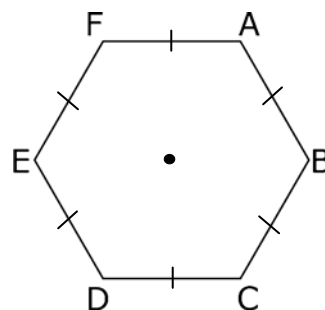


# Chapter 1 Problems of the Week

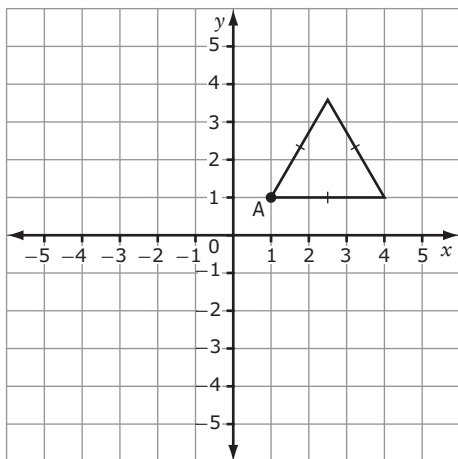
1. The perimeter of hexagon ABCDEF is 48 cm. Find the length of line segment AD. Show your thinking.

Draw equilateral triangles.

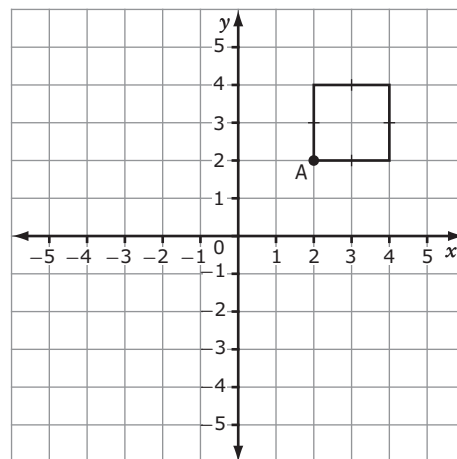


2. a) For each of the following figures, use the original figure to draw a
- i) reflection in the x-axis
  - ii) translation 1 unit up and 3 units left
  - iii) rotation of  $180^\circ$  about A

equilateral triangle



square

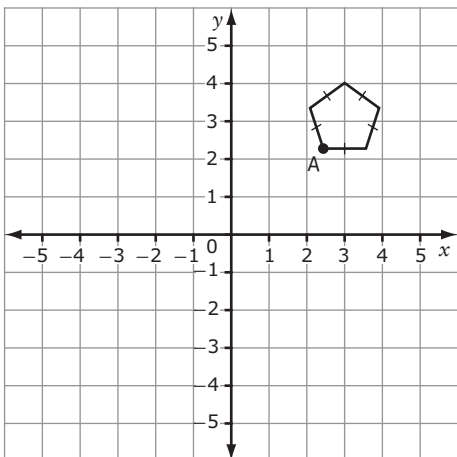


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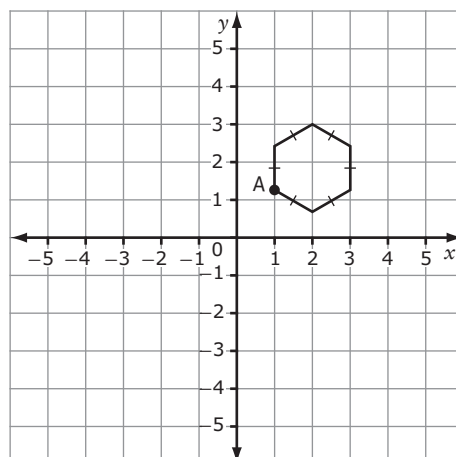
Date: \_\_\_\_\_

**BLM 1-1**  
(continued)

Regular pentagon



Regular hexagon



**b)** Which ones will look like they have not changed their orientation?

\_\_\_\_\_

\_\_\_\_\_

*Orientation* is the position of an object.

**3.** Find images of flowers, starfish, or other natural objects that show rotational symmetry. Make a collage of your images.

