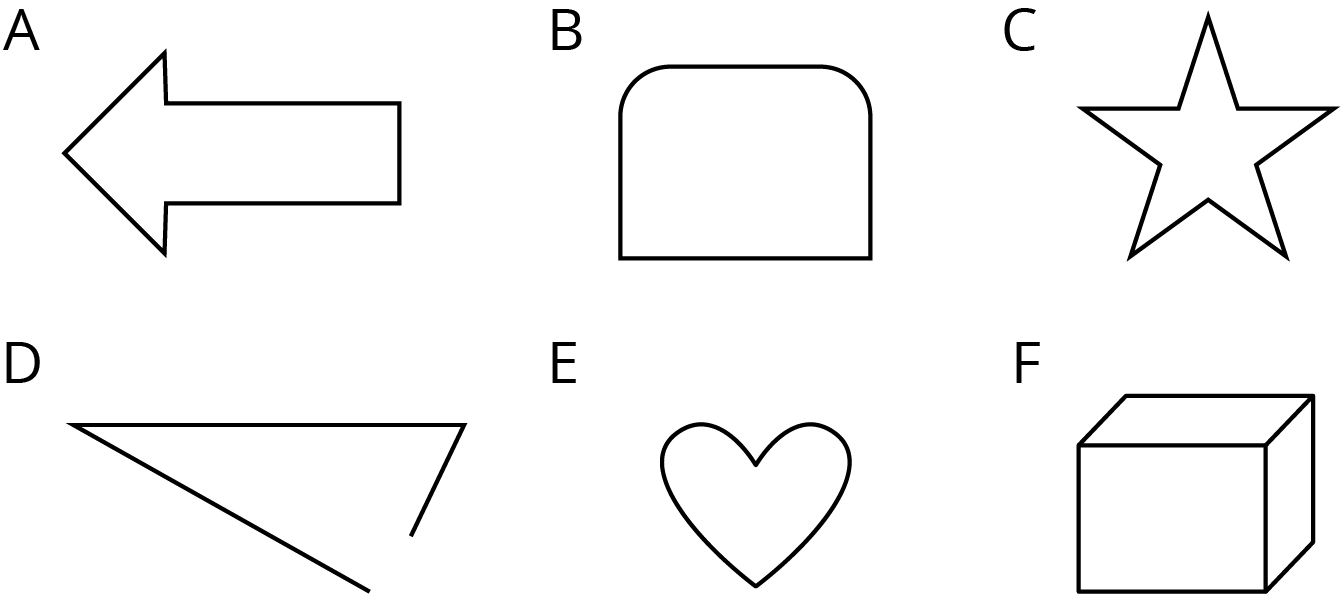
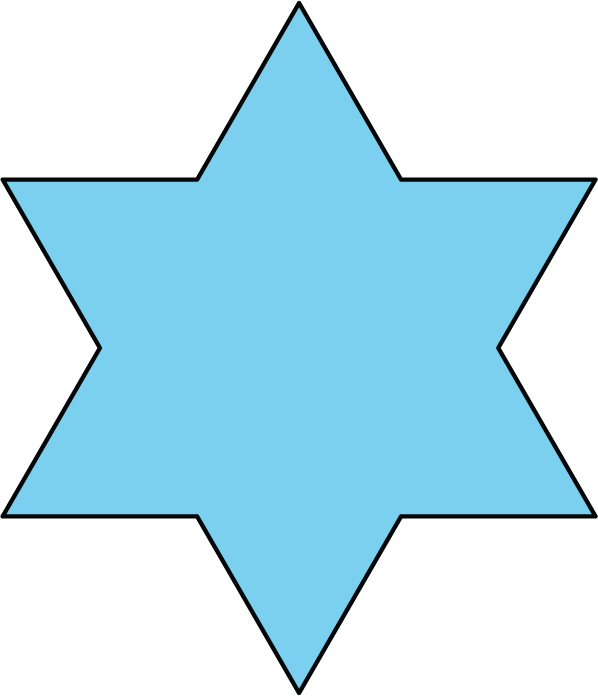
### Lesson 9 Practice Problems

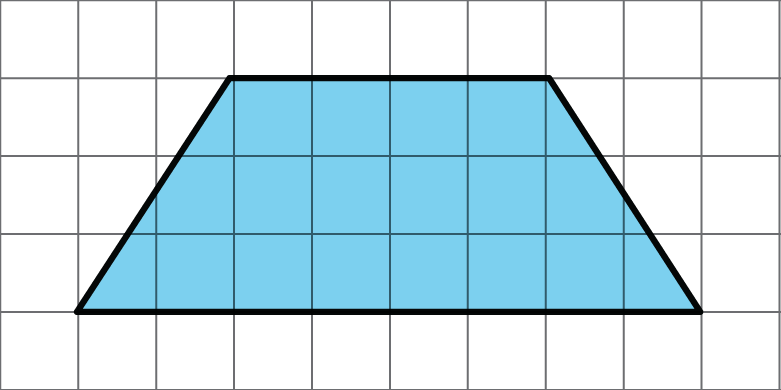
1. Select **all**the polygons.

* 
  1. A
  2. B
  3. C
  4. D
  5. E
  6. F

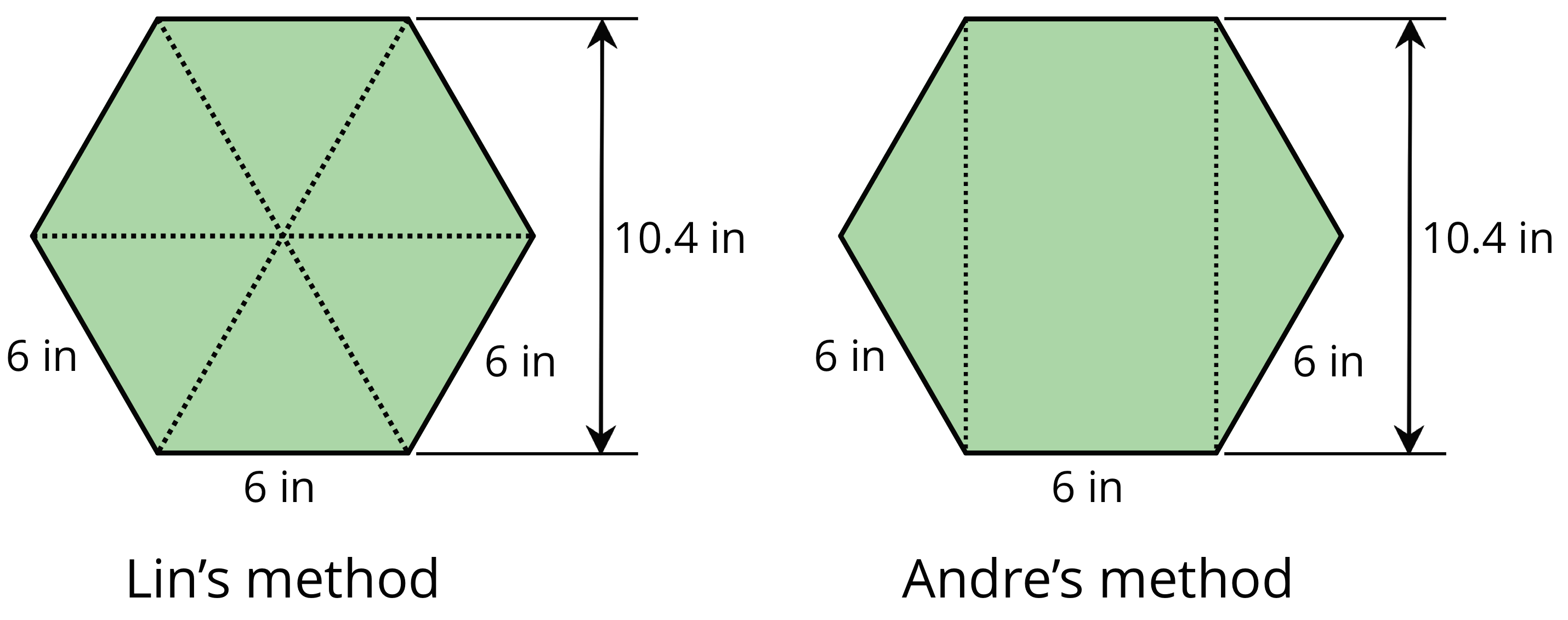
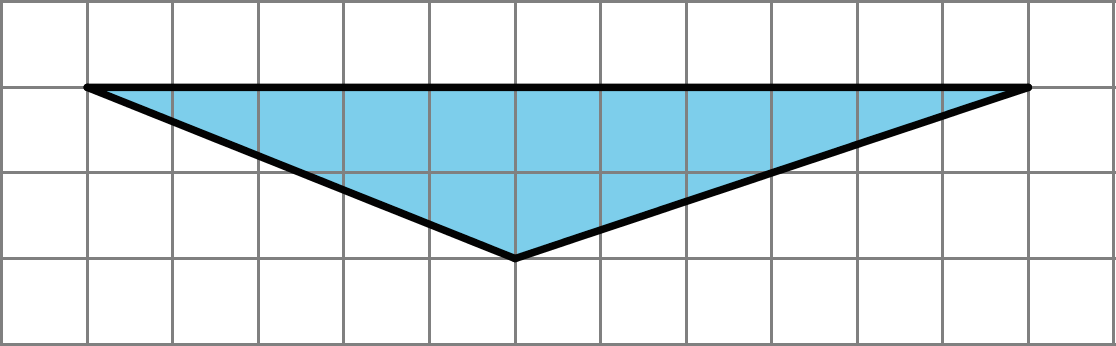
1. Mark each vertex with a large dot. How many edges and vertices does this polygon have?

* 

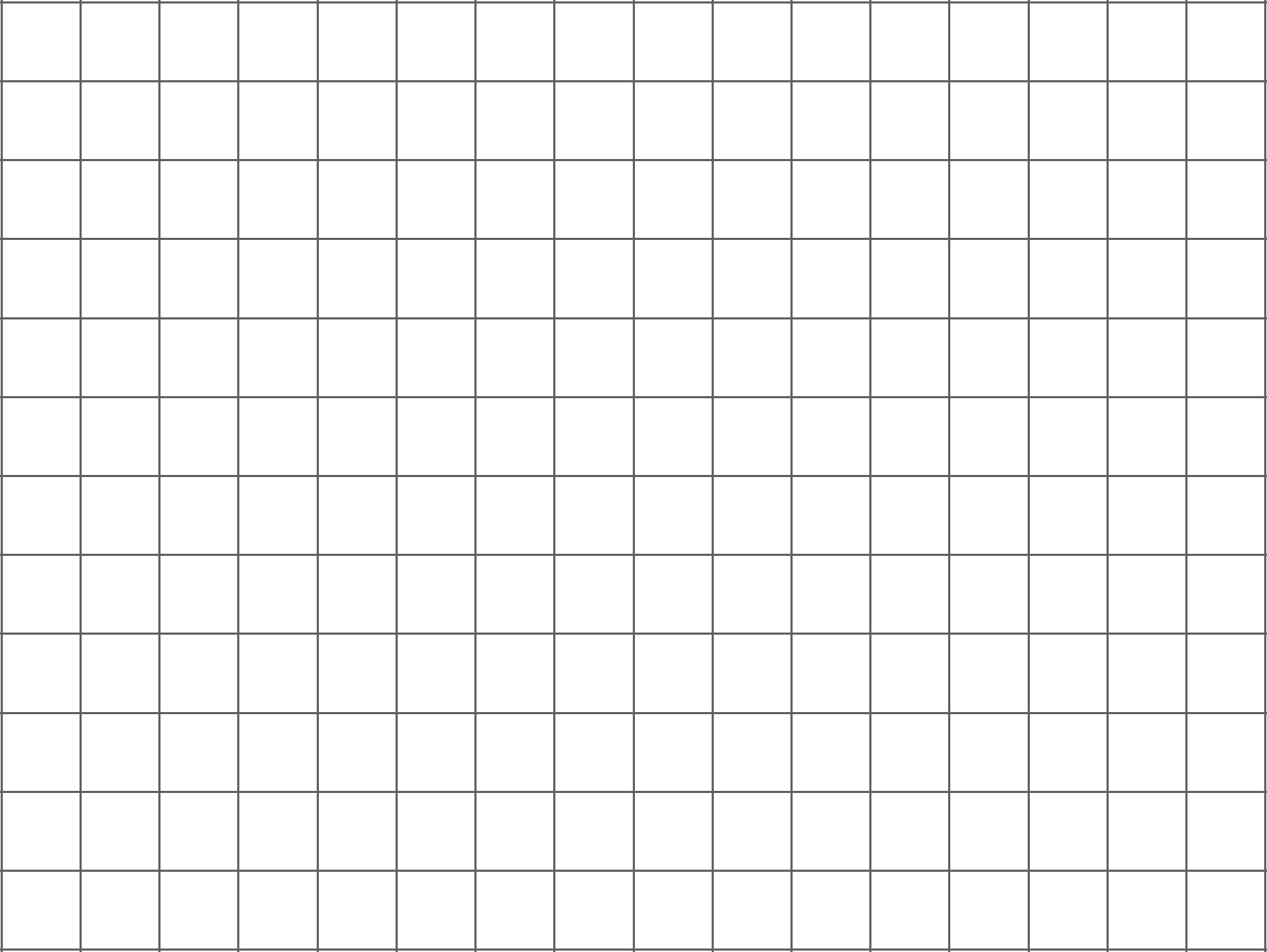
1. Find the area of this trapezoid. Explain or show your strategy.

* 

1. Lin and Andre used different methods to find the area of a regular hexagon with 6-inch sides. Lin decomposed the hexagon into six identical, equilateral triangles. Andre decomposed the hexagon into a rectangle and two triangles.

* 
* Find the area of the hexagon using each person’s method. Show your reasoning.
  1. Identify a base and a corresponding height that can be used to find the area of this triangle. Label the base and the corresponding height .
  + 
  1. Find the area of the triangle. Show your reasoning.
* (From Unit 1, Lesson 8.)

1. On the grid, draw three different triangles with an area of 8 square units. Label the base and height of each triangle.

* 
* (From Unit 1, Lesson 8.)



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