### 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 $b$ and the corresponding height $h$.
	+ 
	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.
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* (From Unit 1, Lesson 8.)



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