

Geometry

Unit 6 Practice A: The basics

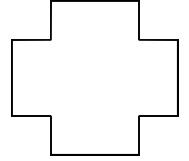
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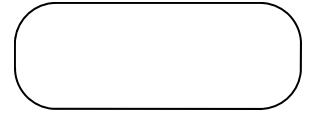
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Directions: Read the directions. You may work with your partner to solve the following problems and answer the following questions.

- 1.) Is the following a polygon? If yes, is it convex or concave? Explain your answer



- 2.) Is the following a polygon? If yes, is it convex or concave? Explain your answer



- 3.) What is a 7-sided polygon called?

- 4.) What is an 11-sided polygon called?

- 5.) How many sides does a nonagon have?

- 6.) How many degrees does a triangle have?

- 7.) What is the sum of the measures of the interior angles of a triangle?

- 8.) What is the sum of the measures of the exterior angles of a pentagon? Explain.

- 9.) The perimeter of a pentagon is 255 feet. If each side is exactly the same (equilateral), then what is the length of each side?

- 10.) What is the sum of the exterior angles of a 110-sided polygon?