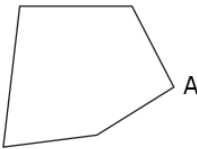

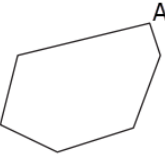
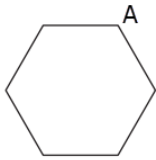
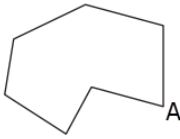
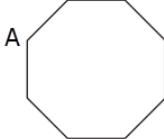
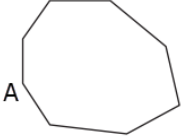
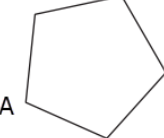
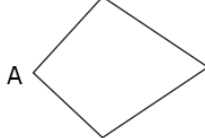

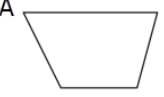
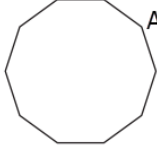


Directions: Classify the polygons by given number of sides and answer the related questions and complete the related tables

<p>1) </p> <p>_____</p>	<p>2) </p> <p>_____</p>	<p>3) </p> <p>_____</p>	<p>Give a short definition of each term or support with a drawing or sketch</p> <p>Diagonal of a polygon</p>
<p>4) </p> <p>_____</p>	<p>5) </p> <p>_____</p>	<p>6) </p> <p>_____</p>	
<p>7) </p> <p>_____</p>	<p>8) </p> <p>_____</p>	<p>9) </p> <p>_____</p>	<p>Convex polygon</p> <p>Concave polygon</p>
<p>10) </p> <p>_____</p>	<p>11) </p> <p>_____</p>	<p>12) </p> <p>_____</p>	
<p>Interior angle sum formula for polygons</p>	<p>Exterior angle sum for polygons</p>	<p>TOTAL Number of diagonals for a polygon formula</p>	<p>Exterior angle of a polygon</p>

1. Based on given figures, which polygons are concave? (refer to the number of the polygon)
2. Based on given figures, which polygons are convex? (refer to the number of the polygon)
3. Which polygon will have a diagonal that contains exterior points from the polygon itself?

