**Knowledge & Understanding (KU)**

1. Calculate the missing angle in each case.

   a.)
   
   ![Diagram](image)

   b.)
   
   ![Diagram](image)

   c.)
   
   ![Diagram](image)

**Application (AP)**

1. Bob claims that the sum of the interior angles of a regular octagon is 900. Is he correct? Justify your decision.

2. a) Calculate the measure of each interior angle of a regular 25-gon.
   
   b) What is the measure of each exterior angle?
Thinking & Inquiry (TI)

1. Find the value of each missing angle given the following diagram.

2. Complete the table below with the values of $x$ and $y$. Justify your answer using geometric properties.

<table>
<thead>
<tr>
<th>Value</th>
<th>Justification using geometric properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>$x =$</td>
<td></td>
</tr>
<tr>
<td>$y =$</td>
<td></td>
</tr>
</tbody>
</table>