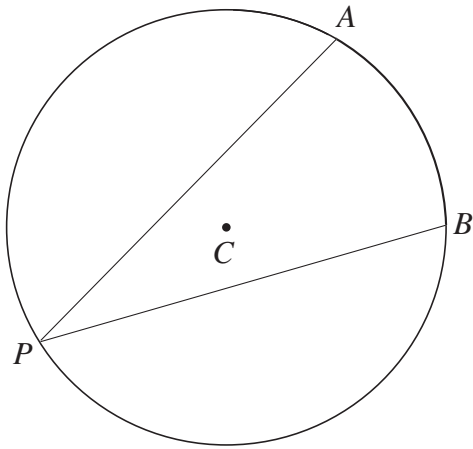**Quiz**   **Name**

1. Take a circle of radius 3. Consider the points A and B on the circle as well as the arc that they determine. Let P be a point on the circle outside the arc and let $\angle APB = \frac{\pi}{7}$. Compute the length of the arc AB.

2. Explain how Eratosthenes estimated the radius of the Earth. Use the diagram below as a guide in your explanation of his argument.