1. In the following diagram, $AB = BC = CD$ and $AD = BD$. Find the measure of angle $D$.

![Diagram](image1)

2. In this diagram, $AB$ is parallel to $CD$ and the side lengths are as shown. Find the area enclosed by quadrilateral $ABCD$.

![Diagram](image2)

3. In the diagram below, the small circle is centered at $O$, the large one is centered at $P$, and the two circles intersect only at $A$. The segments $BC$ and $PD$ have lengths as shown. Find the length of $CD$.

![Diagram](image3)