Problem P6
In the engine system shown $L = 250$ mm and $b = 100$ mm. During a test of the system, crank AB is make to rotate with a constant angular velocity of 600 rpm counterclockwise. Plot the angular velocity of bar BD and the velocity of point D as functions of the crank angle $\theta$.

Hints:
- You will need to write your position vectors for some general angle $\theta$.
- Use the vector algebra approach

A plot for the velocity of point D is shown below: