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Prelab Questions

1. What is the basic difference between an open and closed-loop control system?
   Open-loop systems use processes or algorithms to directly generate their output states from their inputs. They, however, have no means of measuring the effects of these actions.
   Closed-loop systems use their own output as a secondary input and perform an action based on the error between the desired and current state. Also known as feedback.

2. What does the acronym "PID" stand for?
   Proportional, integral, and derivative.

3. When does proportional control lose effectiveness?
   When the plant output nears the setpoint.

4. Did you watch the intro videos?
   Yes.