

1. Bequette: Chap. 3 #8
2. Bequette: Chap. 3 #10
3. Bequette: Chap. 3 #11
4. Bequette: Chap. 3 #14: For this problem, please include a brief justification for your choices.
5. Briefly (a few sentences, possibly a drawing) describe the difference between a self-regulating and non-self-regulating system. (Hint: contrast the response to a step change of a first-order process to that of an integrating process.)