Answer the following questions based on the two thermostats illustrated below (Thermostat A and Thermostat B). If you have any questions about the illustrations or about how thermostats work, please contact the instructor or GTA.

In your answers, be sure to cite any references you use.

1. For Thermostat A, which way should circular dial be turned to increase the temperature? Why?
2. For Thermostat A, can you think of a justification for why it should be turned the other way to increase the temperature? If so, provide a description.
3. For Thermostat B, which way should circular dial be turned to increase the temperature? Why?
4. For Thermostat B, can you think of a justification for why it should be turned the other way to increase the temperature? If so, provide a description.
5. Which thermostat has a better design? Why?
6. Illustrate (draw) and describe two other designs that would be better than the two shown here.