 Rotary Encoders & Human-Computer Interaction — Pre-Activity Worksheet – ANSWERS

1. Do you know what a rotary encoder is? If so, please explain what a rotary encoder is as best you can.
   Yes, a rotary encoder is an electro-mechanical device that converts the angular motion of an axle to an analog or digital code.

2. Have you ever used a rotary encoder? List some examples of devices that have rotary encoders:
   Yes. Elevators, computer mouse, escalators, electric wheelchairs, wind turbines, etc.

3. How familiar are you with the topic of angles? Rate from 1 (not familiar) to 10 (very familiar) __10__

4. What do you think is the angle shown in each picture? (Write the answer in degrees.)

   ![Diagram 1](image1)
   - 90 degrees

   ![Diagram 2](image2)
   - 45 degrees

   ![Diagram 3](image3)
   - 0 or 360 degrees

   ![Diagram 4](image4)
   - 270 degrees

   ![Diagram 5](image5)
   - 135 degrees