

## 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.)

