Explore several sensor products available for sale online. *(Be sure to answer the following questions during your exploration)*

	Product 1:	Product 2:	Product 3:	Product 4:
What does the product do?				
Describe how the product uses the sensor.				
What are some advantages and disadvantages for this product?				
Do you think the product is worth the cost? Why?				

PiperCode Project: Security Zone

Step 1: What to consider when wiring your sensor?	Step 3: What would be different if we used inches?
Step 6: How does setting the Ultrasonic Range Finder value to 20 affect the output?	What would be different if the value were 5?
Step 9: What will the sensor do once you press "START"?	Step 11: How would the alarm change if you used the units *inches*?
Step 10: Draw the graph that you see at the bottom of your screen.	What values does the horizontal line (→) represent? What values are represented by the vertical line (↑)? What does the bottom corner of your graph represent?
Graph for _____ cm. *(Label each axis)*	**Graph for _____ in.** *(Label each axis)*
How did the graph change when you switched the number?	What happens to your graph when you switch to *inches*?

Complete the following conversions. *(Show your work)*

20 cm = _____ in	5 in = _____ cm	50 cm = _____ in	12 in = _____ cm