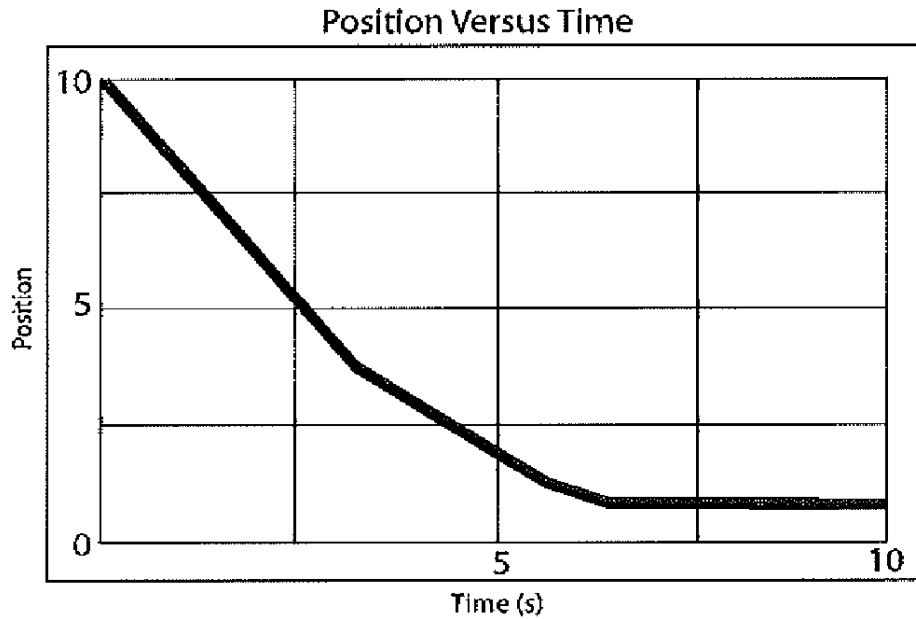


Go-Cart Test Run Probe



Jim and Karen have built a go-cart. They take their go-cart for a test run and graph its motion. Their graph is shown above. They show the graph to their friends. This is what their friends say:

Bob: "That was a steep hill! You must have been going very fast at the bottom."

Claire: "I think you were going fast at first, but then you were moving slowly at the end."

Karl: "I think you were moving quickly, then slowed down to a stop at the end."

Mary: "It looks like you were going downhill and then the road flattened out."

Circle the name of the friend you think best describes the motion of the go-cart based on the graph. Explain why you agree with that friend.

Revised version of probe 5 Go-Cart Test Run in Vol. 1 of *Uncovering Student Ideas in Physical Science* (Keeley & Harrington, 2010)