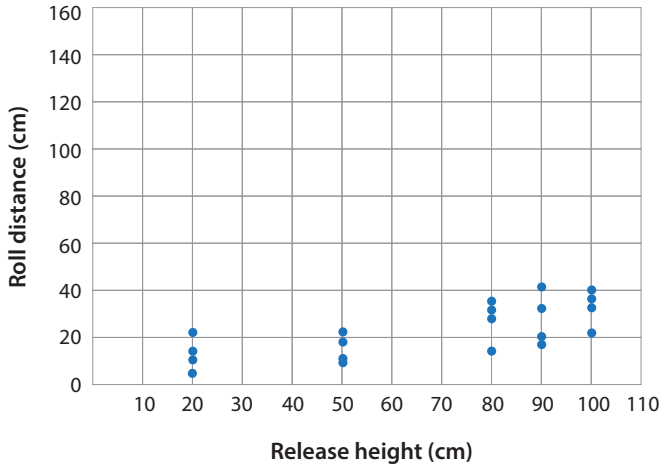
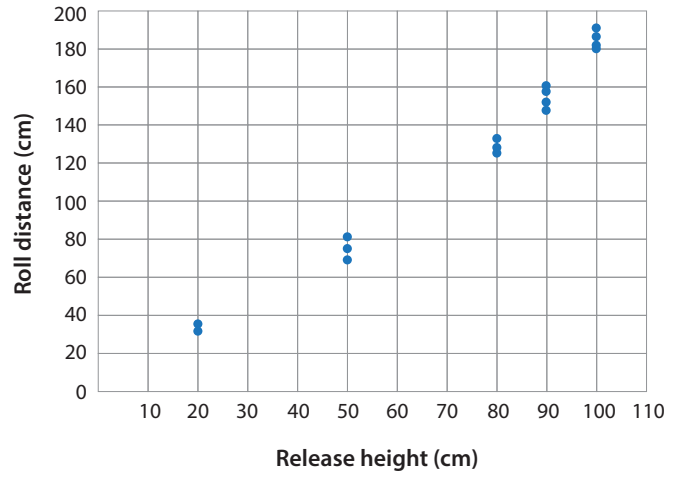


Roll distance of marble on a ramp (Surface A)



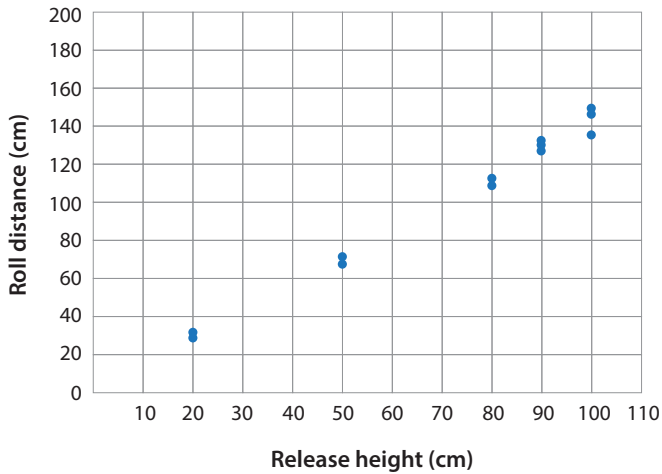
Prediction

Roll distance of marble on a ramp (Surface B)



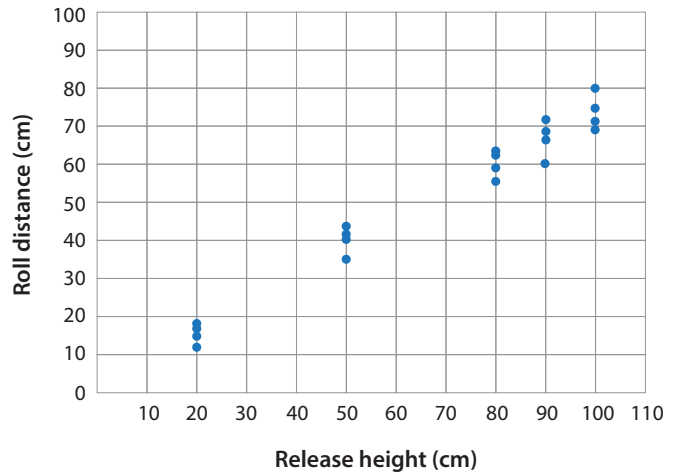
Prediction

Roll distance of marble on a ramp (Surface C)



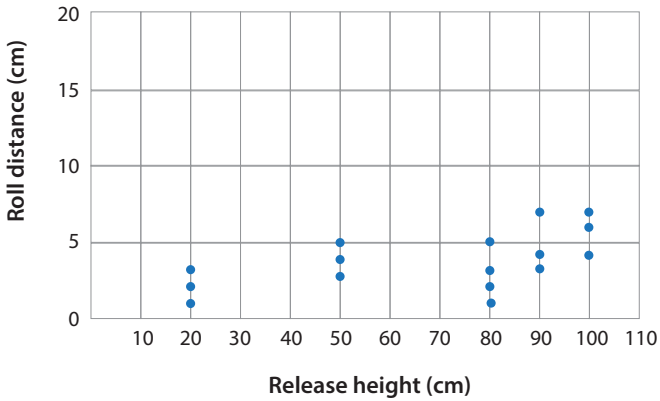
Prediction

Roll distance of marble on a ramp (Surface D)

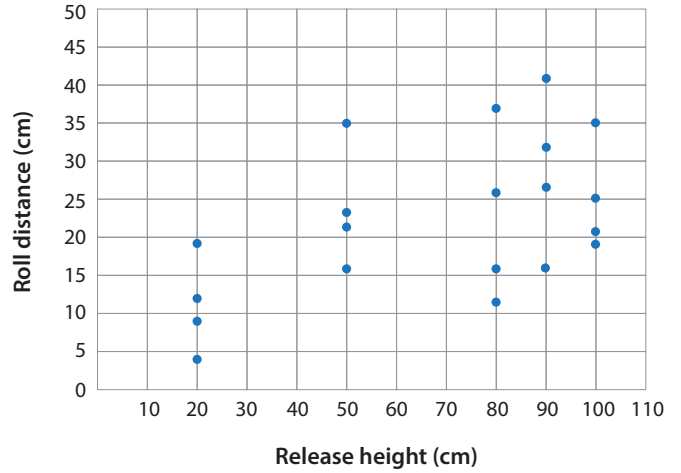


Prediction

Roll distance of marble on a ramp (Surface E)



Roll distance of marble on a ramp (Surface F)



Prediction

Prediction

Here are six graphs that show the data from marble rolling with the same ramp and marble. The rolling surfaces tried were linoleum, carpet, sand, bubblewrap, wood, and short grass.

a. Which graph shows which surface? Explain why.

b. For each graph predict the roll distance of a marble released from a height of 40cm and of 70cm.