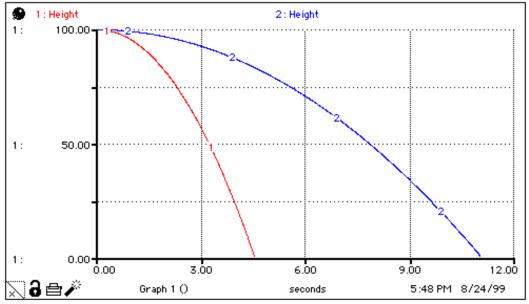
## CoreModels FreeFall Student Assessment

Student Name	Date
Teacher Name	Student Grade (circle one)
	9th 10th 11th 12th

1. The graph below shows the height of an object dropped on Earth (curve 1) and the height of an object dropped on the Moon (curve 2). In each case, height is measured in meters. Based on the graph, describe, for both the Earth and the Moon, what you know about the velocity of the object and the time it takes for the object to hit the ground.



2. Computer models are tools for learning about the things they are meant to
resemble. A model's usefulness in understanding a real world situation can be
determined by examining the assumptions make in constructing the model and by
comparing its output to actual observations in the real world.

- Determine the usefulness of the freefall model by describing at least two similarities between the model and science lab or real world outcomes. Give specific details to support your answer.

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