

Incline angle and acceleration (16 pts)

Data table - 1 pt

Kinetics boxes - 4 pts

Graph of acceleration vs. angle - 4 pts

Axes labels and units - 1 pt

Regression curve - 1 pt

6a. The acceleration increases - 1 pt

6b. A vertical shrink, there would be less acceleration at each angle - 2 pts

6c. About  $10\text{m/s}^2$  as the marble would be in freefall - 2 pts