

Forces along an incline (22 pts)

Graph of force down the incline vs. angle - 4 pts

Axes labels and units - 1 pt

Regression curve - 1 pt

5a. Sine - 1 pt

5b. Zero - 1 pt

5c. 10N or mg - 1 pt

5d. A vertical shrink as each force would be less at a given angle - 2 pts

Graph of into the incline vs. angle - 4 pts

Axes labels and units - 1 pt

Regression curve - 1 pt

4a. Cosine - 1 pt

4b. 10N or mg - 1 pt

4c. Zero - 1 pt

4d. A vertical stretch as each force would be greater at a given angle - 2 pts