

- 6 A student determined the acceleration of free fall g .

She measured the time t for a ball bearing to fall from rest through a distance s .
She repeated this for a range of values of s .

Which row of the table shows the graph that would give a gradient equivalent to g ?

**A** s $2t^2$ **B** $2s$ t^2 **C** s $2t$ **D** $2s$ t

(Total for Question 6 = 1 mark)