

- 8** A mass is placed on a frictionless slope inclined at 30° to the horizontal. The mass is then released.

What is its acceleration down the slope?

- A** 4.9 m s^{-2} **B** 5.7 m s^{-2} **C** 8.5 m s^{-2} **D** 9.8 m s^{-2}

- 9** A parachutist falls vertically from rest at time $t = 0$ from a hot air balloon. She falls for some