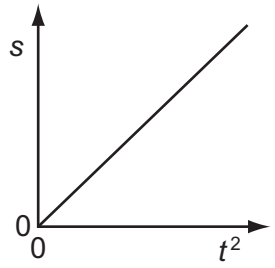
8 At time $t = 0$, a body moves from rest with constant acceleration in a straight line. At time t, the body is distance s from its rest position.

A graph is drawn of s against t^2, as shown.



Which statement describes the acceleration of the body?

A It is equal to half the value of the gradient of the graph.

B It is equal to the value of the gradient of the graph.

C It is equal to twice the value of the gradient of the graph.

D It is equal to the reciprocal of the gradient of the graph.

Space for working