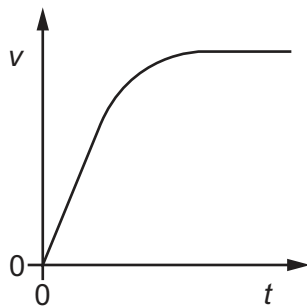
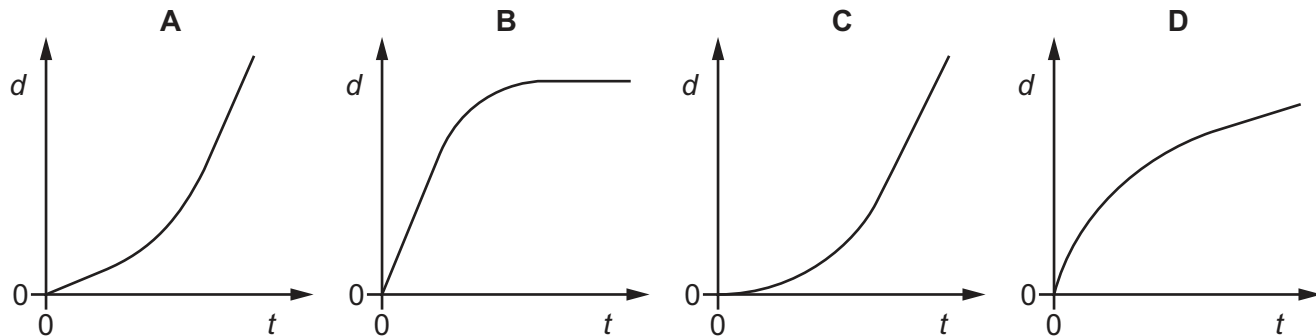


- 7 A sky-diver falls vertically from a helicopter and reaches constant (terminal) velocity. The graph shows the variation with time t of the speed v of the sky-diver.



Which graph shows the variation with time t of the distance d fallen by the sky-diver?



- 8 A tennis ball of mass 55 g is travelling horizontally with a speed of 20 ms^{-1} . The ball makes