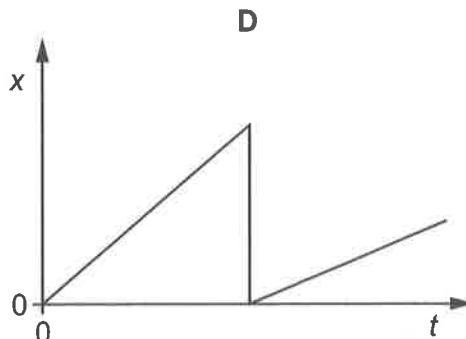
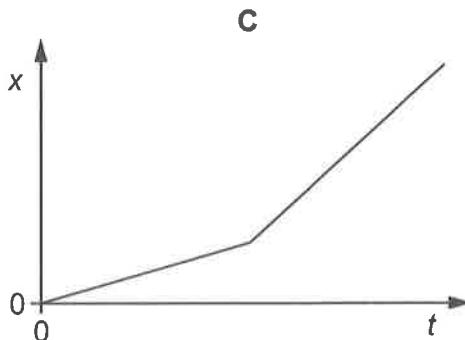
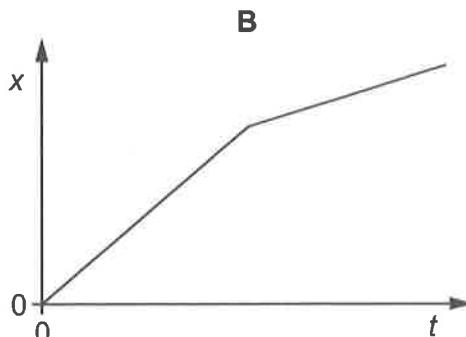
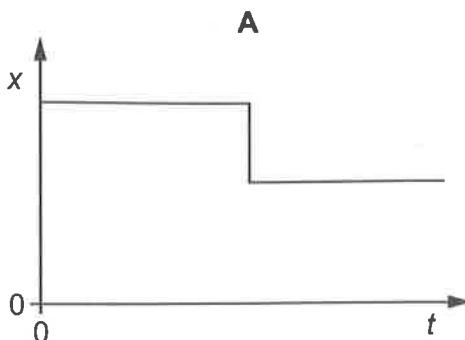


- 6 A railway truck X travels at a constant velocity along a straight track. A truck Y, of smaller mass, is at rest on the track. Truck X hits truck Y and becomes attached to it. The attached trucks continue along the track.

Which graph represents how the displacement x of X varies with time t ?



- 7 A body falls in a vacuum from rest through a distance x in time t .