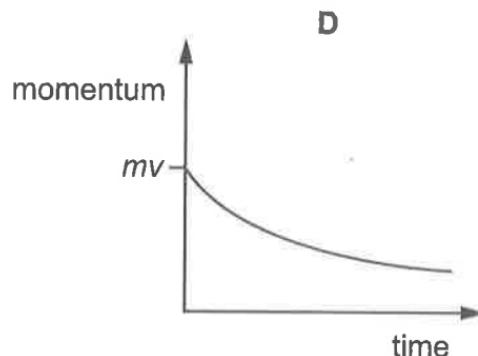
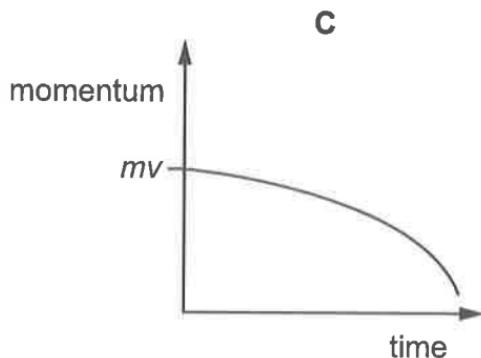
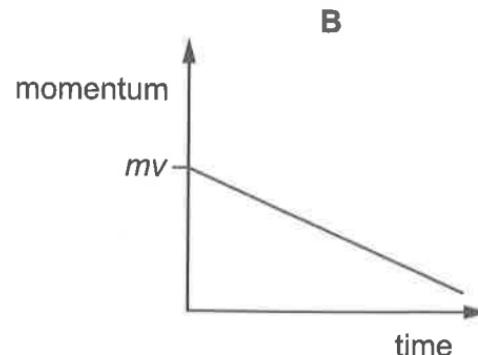
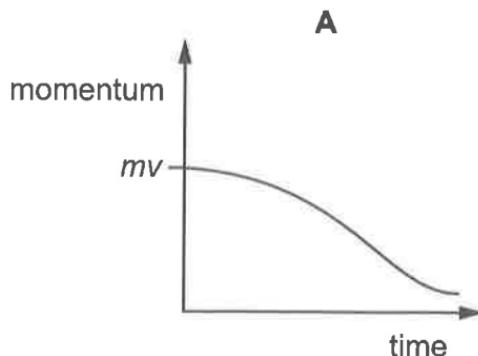


- 8 A constant braking force is applied to an object of mass m initially moving at a speed v .

Which graph shows the variation of the momentum of the object with time?



- 9 A ball X of mass 1.0 kg has an initial velocity of $1.12 \times 10^1 \text{ m s}^{-1}$ and a final velocity of $1.00 \times 10^1 \text{ m s}^{-1}$.