

**Given:**

$$v = u + \sqrt{2as}$$

A particle moves along a straight line!

$$u = \text{const}$$

**Solution:**

$$s = At + B$$

$$\Rightarrow v = A$$

$$a = \frac{A - u}{At + B} \sim \frac{1}{t} \rightarrow 0$$

**Answer:** b) *Decrease with time*