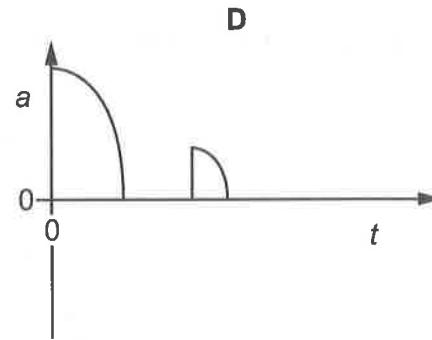
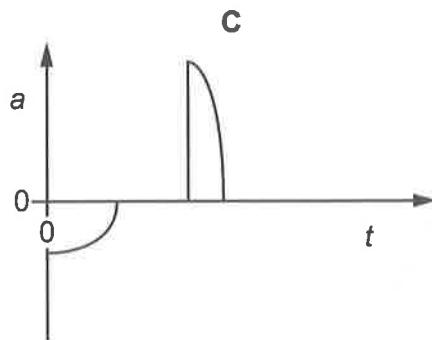
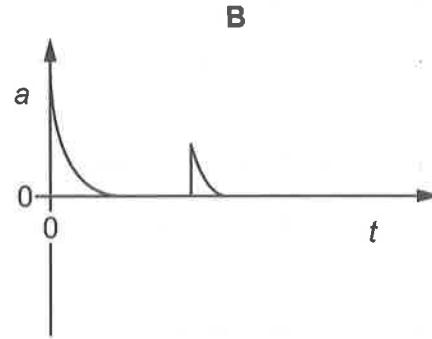
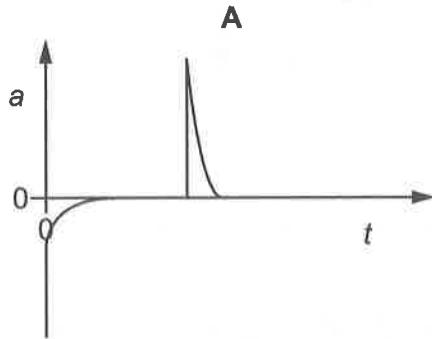


- 6 A skydiver jumps from a balloon and falls freely under gravity until reaching terminal velocity. A short time later, the parachute is opened and the skydiver decelerates to a much smaller terminal velocity.

Which graph shows the variation of acceleration  $a$  with time  $t$ ?



- 7 A vehicle moves along a straight road with a variable velocity. Its motion is represented by the