## 1.

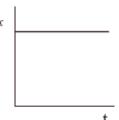
An object is launched over level ground at  $35^{\circ}$  above the horizontal with an initial speed of 52 m/s. What is the time of flight?

- A. 5.3 s
- B. 6.1 s
- C. 8.7 s
- D. 11 s

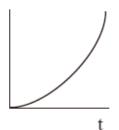
## 2.

Which of the following graphs best illustrates the horizontal displacement of a projectile as a function of time? Ignore friction.

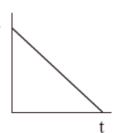
Α. α



B.



C



D.

