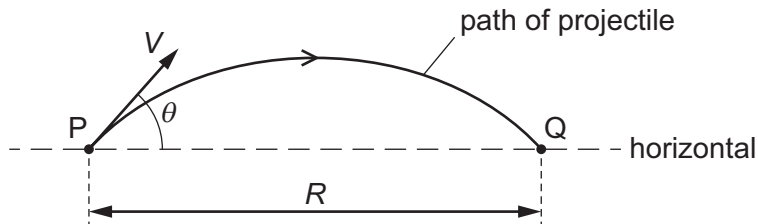


- 6 A projectile is fired from point P with velocity V at an angle θ to the horizontal. It lands at point Q, a horizontal distance R from P, after time T .



The acceleration of free fall is g . Air resistance is negligible.

Which equation is correct?

- A $R = VT \cos \theta$
- B $R = VT \sin \theta$
- C $R = VT \cos \theta - \frac{1}{2}gT^2$
- D $R = VT \sin \theta - \frac{1}{2}gT^2$