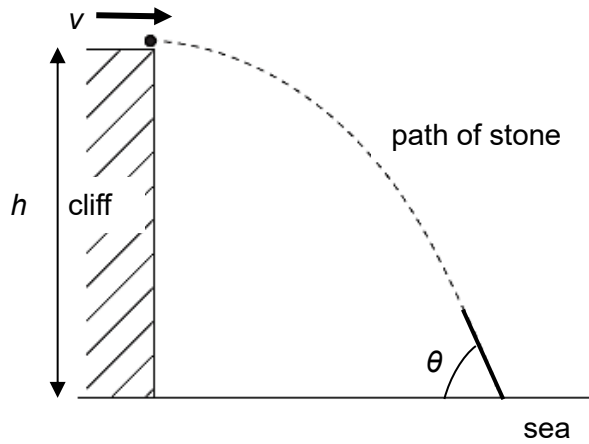


2

The diagram shows the path of a projectile fired with a horizontal velocity  $v$  from the top of a cliff of height  $h$ .



Which of the following values for  $v$  and  $h$  will give the greatest value of angle  $\theta$ ?

$v / \text{m s}^{-1}$   
 $h / \text{m}$

**A**

10

30

**B**

30

30

**C**

10

50

**D**

50

50