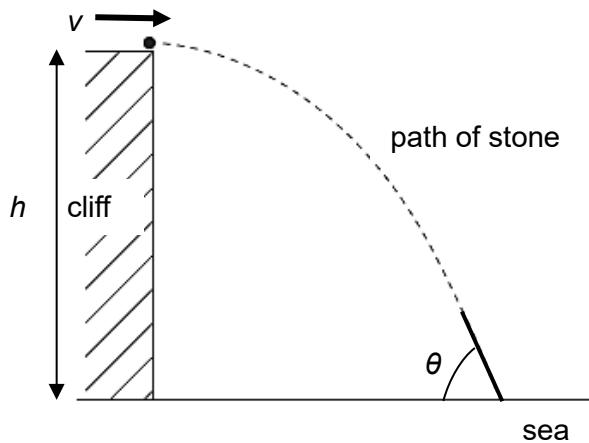


2

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 θ ?

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

h / m

A

10

30

B

30

30

C

10

50

D

50

50