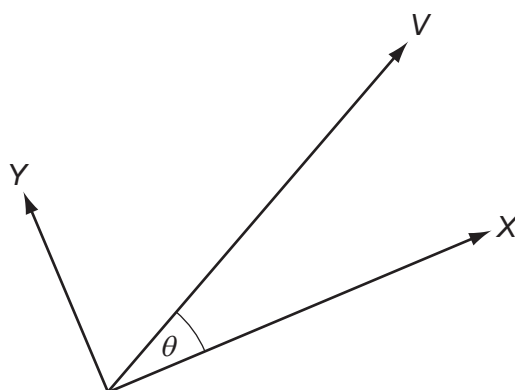


- 1 The product of pressure and volume has the same SI base units as
- A energy.
 - B force.
 - C $\frac{\text{force}}{\text{area}}$.
 - D $\frac{\text{force}}{\text{length}}$.
- 2 A vector quantity V is resolved into two perpendicular components X and Y . The angle between V and component X is θ .



The angle between component X and the vector V is increased from 0° to 90° .

How do the magnitudes of X and Y change as the angle θ is increased in this way?

	X	Y
A	increase	increase
B	increase	decrease
C	decrease	increase
D	decrease	decrease

Space for working