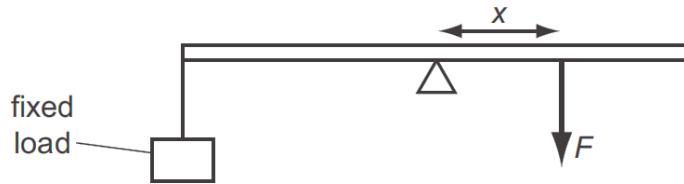
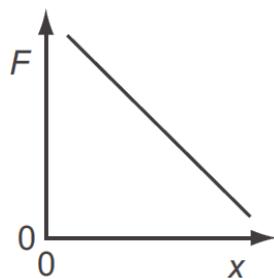


- 5 A horizontal bar is supported on a pivot at its centre of gravity. A fixed load is attached to one end of the bar. To keep the bar in equilibrium, a force  $F$  is applied at a distance  $x$  from the pivot.

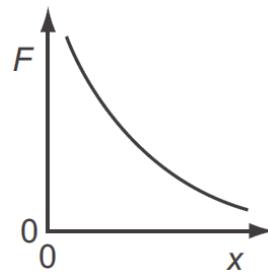


How does  $F$  vary with  $x$ ?

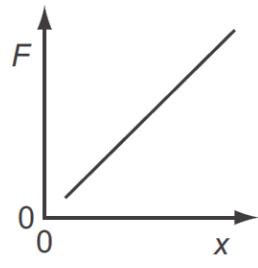
A



B



C



D

