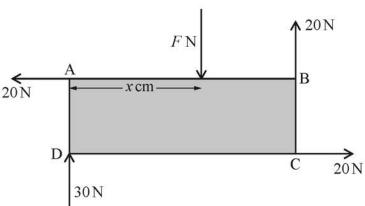
diagram.



An additional force FN is also applied at right angles to AB to a point on the edge AB x cm from A.

and the second s

[3]

[2]

The point of application of the force FN is now moved to B, but the magnitude and direction of the force remain the same.

(b) Explain the effect of the new system of forces on the lamina.

(a) Given that the lamina is in equilibrium, calculate the values of F and x.