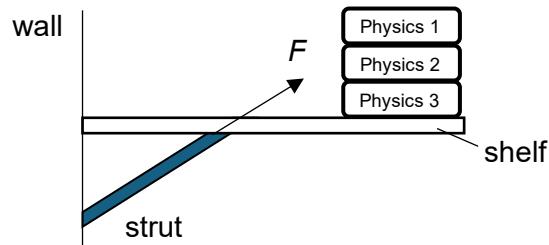
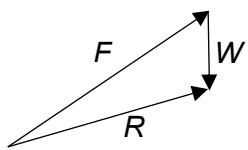


- 5 The figure below shows a light wall-mounted shelf supported by a strut. The shelf experiences a force  $F$  due to the strut along the axis of the strut, as well as a force  $R$  due to the wall. A stack of Physics Revision Packages of weight  $W$  is placed near the edge of the shelf.

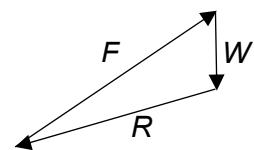


Which vector diagram correctly shows the forces acting on the shelf?

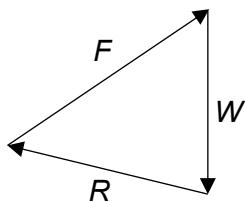
**A**



**B**



**C**



**D**

