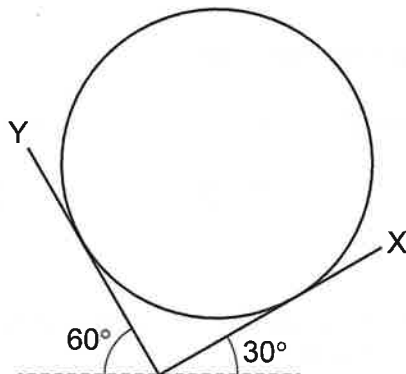


4 A smooth cylinder of weight  $W$  rests in the angle between two smooth sloping planes X and Y.

X is inclined at  $30^\circ$  to the horizontal and Y is inclined at  $60^\circ$  to the horizontal. X exerts a force  $F_X$  on the cylinder and Y exerts a force  $F_Y$  on the cylinder.



Which vector diagram represents the forces acting on the cylinder?

