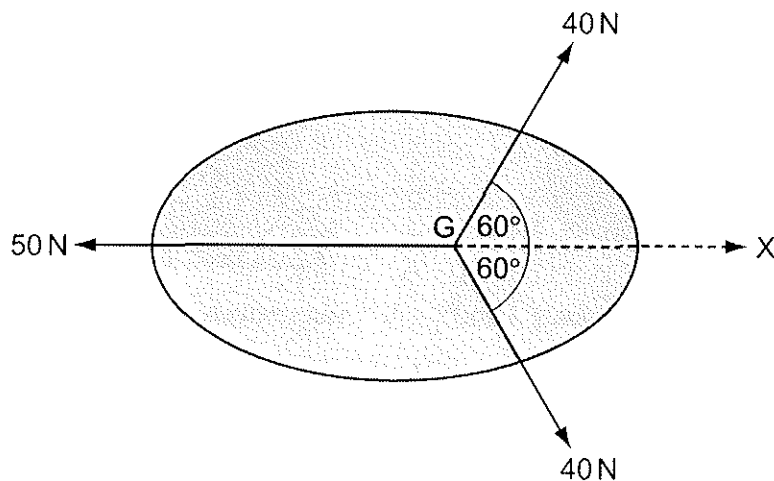


- 4 The diagram shows three forces acting on the centre of gravity G of a body which was initially at rest.



Later, a 10 N force is applied to G in the direction GX.

What is the final motion of the body?

- A It accelerates in the direction GX.
- B It accelerates in the direction XG.
- C It moves at constant speed in the direction GX.
- D It moves at constant speed in the direction XG.

- 5 An object of mass  $m$  is travelling with velocity  $v$  in the direction of the line of action of a force  $F$ .