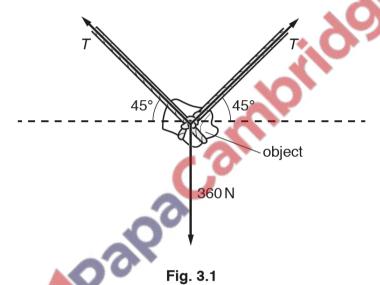
Forces – 2018 June

- **1.** 0625/42/F/M/19/No.3
 - (a) An object is moving in a straight line at constant speed.

State **three** ways in which a force may change the motion of the object.

1	
2	
3	
	[2

(b) Fig. 3.1 shows an object suspended from two ropes. The weight of the object is 360 N. The magnitude of the tension in each rope is *T*.



In the space below, determine the tension *T* by drawing a vector diagram of the forces acting on the object.

State the scale you have used.

scale	 	 	