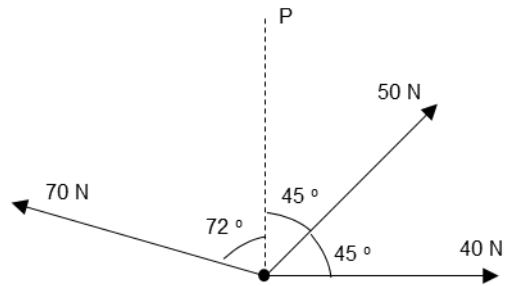


- 7 Three forces act on a body in various directions shown below.



An additional force will be required for the system to be at equilibrium.

What is the magnitude and direction of the additional force measured from line P?

	force	direction
A	57.7 N	9 °
B	57.7 N	189 °
C	153 N	68 °
D	153 N	248 °