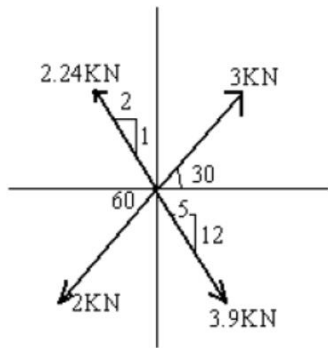


ABES ENGINEERING COLLEGE, GHAZIABAD
Department of Mechanical Engineering 2023-24
Fundamentals of Mechanical Engineering (BME-101)

Practice Sheet		Unit I
Topic	Parallelogram law, Resolution of forces	
Course	B. Tech	
Semester	I	

Q. NO.	
1.	Write short note on Principle of transmissibility of forces.
2.	<p>A system of four forces acting on a body is as shown in figure. Determine the magnitude resultant and its inclination with positive X-axis.</p> 
3.	Two forces equal to P and $3P$ respectively act on a particle. When the first force is increased by 100 N and the second force is doubled, the direction of the resultant remains the same. Determine the value of force P .