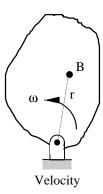
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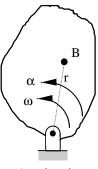
Department of Mechanical Engineering

ES 204 Mechanical Systems

Quiz - Le 07 Name: _____

- 1. For the figures shown below, sketch
 - a) the direction of the velocity of point B and label the magnitude in terms of ω and r
 - b) the tangential and normal accelerations of point B and label the magnitudes in terms of α and ω .





Acceleration

- 2. What is the vector equation for the velocity of any point on a body undergoing fixed axis rotation?
- 3. What is the vector equation for the acceleration of any point on a body undergoing fixed axis rotation?

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