

**ENGR 222 Dynamics**  
**Problem Set #8**

Meriam and Kraige, Engineering Mechanics-Dynamics (Eighth Edition)  
Material Covered: Chapter 5-4 to 5-7

Topics Covered:

Rotating axes

Velocity

Acceleration

Coriolis acceleration

General equations of motion

Fixed axis rotation

Relative acceleration

1. Meriam and Kraige (8th ed.), problem 5/74.
2. Meriam and Kraige (8th ed.), problem 5/90.
3. Meriam and Kraige (8th ed.), problem 5/113.
4. Meriam and Kraige (8th ed.), problem 5/120.
5. Meriam and Kraige (8th ed.), problem 5/154.
6. Meriam and Kraige (8th ed.), problem 5/167.