

Instructions: *On all five assignments this term, there will be 4-5 problems — three of which will be graded to determine your assignment mark for the term. Marks will be deducted for assignment problems not attempted. Be neat and organized in your solutions, and be sure to include units, directions, and 3 significant figures in your final answer.*

1. Problem 4.5 from the text by Ginsberg (p.154).
2. Problem 4.13 from the text by Ginsberg (p.156). Note that A , B , and C lie in a vertical plane. Express your answer in terms of XYZ components, where $\hat{i} = \hat{e}_{C/A}$ and $\hat{k} = \hat{e}_{B/A}$.
3. Problem 4.19 from the text by Ginsberg (p.158).
4. Problem 4.25 from the text by Ginsberg (p.160). Align your Y axis to be vertical (up), and your Z axis out of the page.