SUGGESTED PROBLEMS PHYS 5306: "Classical Dynamics"

I.	Lagrangian and Hamiltonian mechanics (sections 1-10, 40):
	\$5: 1, 2, 3 \$7: 1 \$8: 1 \$9: 1, 2, 3 \$10: 1, 2 \$40: 1, 2
II.	1-d and central force motion (sections 11, 13-15):
	§11: 1 §13: 1 §14: 1, 2, 3 §15: 1, 3
III.	Collisions and scattering (sections 16-20):
	§16: 2 §17: 1 §18: 1, 2, 4, 6 §19: 1 §20: 1
IV.	Small oscillations (sections 21-23):
	§21: 1, 2, 3, 5, 6 §22: 1a,b,c; 3, 5 §23: 1, 3
V.	Rigid body motion and non-inertial reference frames (sections $31-36$, $38-39$):
	§32: 1, 2, 3, 6, 7, 9, 10 §35: 1, 2 §38: 1, 2 §39: 1, 3