Problem 1 (1 point)

Show $\vec{A} \times (\vec{B} \times \vec{C}) = (\vec{A} \cdot \vec{C})\vec{B} - (\vec{A} \cdot \vec{B})\vec{C}$. Hint: write out each vector, ie $\vec{A}$ as $\hat{i}a_x + \hat{j}a_y + \hat{k}a_z$, then perform the operations on each side.

Problem 2: (1 point)

Ohanian 6.4

Problem 3 (1 point)

Ohanian 6.10

Problem 4 (1 points)

Ohanian 6.12

Problem 5 (1 point)

Ohanian 7.4

Problem 6 (1 point)

Ohanian 7.6

Problem 7 (1 points)

Ohanian 7.7