Prelab Questions

These questions need to be completed before entering the lab. Please show all workings.

Prelab 1
If the mass of an object is 0.412 kg and its velocity is 0.436 m/s right, what is the momentum? Note: Consider the positive x axis to be to the right. Give your answer in unit vector notation.

Prelab 2
If the mass of an object is 0.412 kg and its velocity is 0.436 m/s left, what is the momentum? Give your answer in unit vector notation.

Prelab 3
The mass of an object is (0.412 +/- 0.009) kg and its velocity is (0.436 +/- 0.008) m/s left. What is the magnitude of the momentum and its uncertainty?