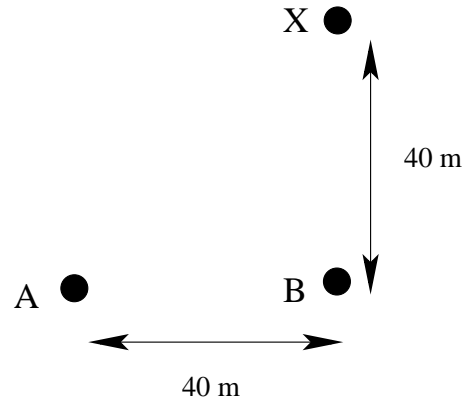


# Chapter C13 Practice: Angular Momentum

## Physics I

College of the Atlantic



1. You are standing at point X. A 0.5 kg bird at point A files due north at 2 m/s. What is the bird's angular momentum with respect to you?
2. You are standing at point X. A 0.5 kg bird at point B files due north at 2 m/s. What is the bird's angular momentum with respect to you?
3. You are standing at point X. A 0.5 kg bird at point B files at 37 degrees east of north at 2 m/s. What is the bird's angular momentum with respect to you?
4. A merry-go-round with a mass of 100 kg and a radius of 1.5 meters rotates at a rate of 1.5 revolutions every second. What is its angular momentum?