

Name _____ Date _____ Period _____

A 2.0-kg particle moves directly eastward at a constant speed of 4.5 m/s along an east-west line.

(a) What is its angular momentum (including direction) about a point that lies 6.0 m north of the line?

(b) What is its angular momentum (including direction) about a point that lies 6.0 m south of the line?

(c) What is its angular momentum (including direction) about a point that lies 6.0 m directly east of the particle?