

Name _____

Date _____

Vector Based Word Problems - Guided Lesson

Complete the following problems:

1) A radar station detects an airplane at a position 150 km towards west. After 3 minutes, the airplane is at 200 km and at 50.0° towards south of the radar base. Find the average velocity of the airplane.



2) Ronny goes to the market. He goes 120 km towards east from his home. After 2 minutes, Ronny is 220 km towards north. Find Ronny's average velocity.

3) Alan rides a bike from his school. He goes towards south at 20 m/s and towards west at 15 m/s. What is his velocity relative to his friend waiting at school?

