

Name _____ Course No. _____ Section No. _____ Date _____

Statics - Quiz 2

1. Place a \bar{V} beside the vectors in the list below and an **S** beside the scalars.

_____ 20 meters per second

_____ 50 miles per hour south

_____ \bar{A}

_____ **B**

_____ a hundred years ago

_____ three feet

_____ 35° north of west

_____ 700 pounds gravitational force

_____ 3 meters to the right and 2 meters down

_____ 5280

2. Vector \bar{A} has a magnitude of 5 units and is directed down. Vector \bar{B} has a magnitude of 12 units and is directed to the right.

a. Add \bar{A} and \bar{B} with a sketch and call the resultant \bar{C} .

b. What are the characteristics of \bar{C} ?