Name:

1) A car is displaced at 45.0 degrees north of east by 10 km. Find the components and draw the components

2) A duck accelerates at 2.0 m/s^2 at 35.0 degrees angle from ground. Find the components and draw the components.

3) A submarine dives 110.0 m at 10.0 degrees below horizontal. Find the components and draw the components.

4) A pregnant woman walks 25.0 degrees south of west for 3.10 km. Find the components and draw the components.

5) Add the following vectors and determine the resultant.

3.0 m/s, 45 deg and 5.0 m/s, 135 deg