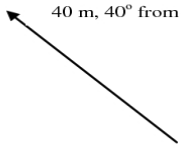
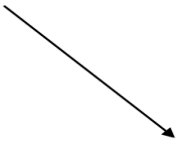
Name _____

Date _____

Vector Components Worksheet
(HS5.1.1.4)

1. Using dotted lines, draw the horizontal and vertical components for each vector shown below. Show only one pair of the components.

40 m, 40° from horizontal 	9 lb, 20° from hroizontal	20 km 15° from vertical
 15 m/s, 50° from vertical	45N, 70° from vertical	15 ft, 80° from horizontal
6 mi, 0° from vertical	50 m/s^2, 0° from horizontal	100 m/s, 30° from horizontal

2. Using the angles given on the diagrams in problem #1 above, calculate the values of the horizontal (**x**) and vertical (**y**) components for each diagram you did above, showing your work in the box for each below.
Note: ***Be sure your calculator is in "DEGREE" mode before doing your calculations.***

X = **Y =**	**X =** **Y =**	**X =** **Y =**
X = **Y =**	**X =** **Y =**	**X =** **Y =**
X = **Y =**	**X =** **Y =**	**X =** **Y =**