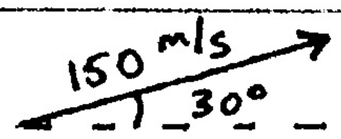
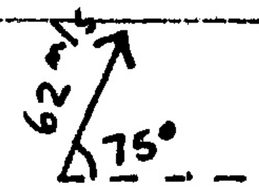
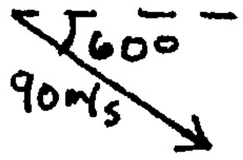
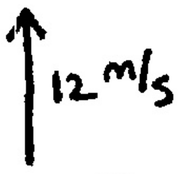
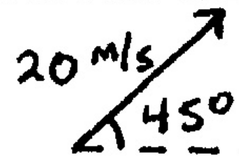
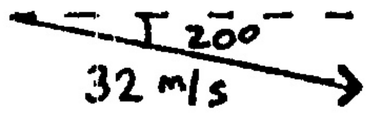
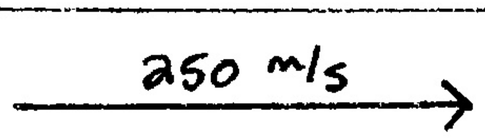
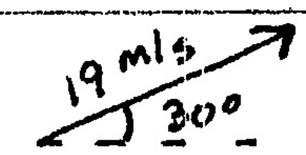
VECTOR PRACTICE

Resolve the following velocity vectors into their x and y – components.

 V_x = _____ V_y = _____	 V_x = _____ V_y = _____
 V_x = _____ V_y = _____	 V_x = _____ V_y = _____
 V_x = _____ V_y = _____	 V_x = _____ V_y = _____
 V_x = _____ V_y = _____	 V_x = _____ V_y = _____

Now put the following vectors back together given their components. Draw the resultant vector, find its magnitude, and determine the angle it makes with the horizontal.

V_x = 5 m/s V_y = 12 m/s	V_x = 8 m/s V_y = 2 m/s
V_x = 18 m/s V_y = 0 m/s	V_x = 3 m/s V_y = -4 m/s
V_x = 11 m/s V_y = 24 m/s	V_x = 0 m/s V_y = 9 m/s
V_x = 15 m/s V_y = -18 m/s	V_x = 19 m/s V_y = 7 m/s