If you would like the opportunity to retake the two dimensional motion test, you must first turn in the following problems.

Chapter 3 #12, 15-17, 21-24, 26-33, 35, 38, 39, 41 & 45

The problems must be completed in the manner described below. The work must be neat and easy for me to read.

If I find your work acceptable you will be given the opportunity for a retake.

Title: 2 D Motion Test Retake (1 of 3)

$$x_{o} = \bigcirc_{m} y_{o} =$$
 $x = 10_{m} y =$ 
 $v_{ox} = 3\% v_{oy} = 4\%$ 
 $v_{x} = \boxed{v_{y} =}$ 
 $a_{x} = \boxed{a_{y} =}$ 
 $\Delta t = \boxed{3.35} \Delta t =$ 

1) Fill in the table with all the known information.

2) Draw boxes around information that you decide to calculate

3) Show all calculations and draw boxes around information that you calculated. ~

All numbers must have units. All equations must have = signs.

$$\cos 30^{\circ} = \frac{V_{x}}{12\%}$$

$$V_{x} = 10.4\%$$

$$V$$