

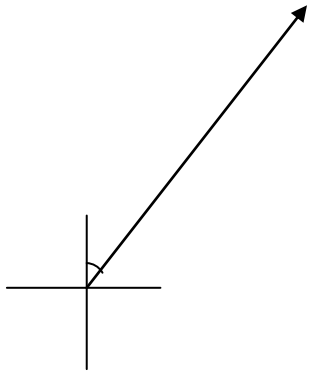
Physics  
FA 3.1 – Vectors

Name \_\_\_\_\_

Carry three decimal places in your calculations.

When you have finished this, go to the website and check your answers. If you got a problem wrong, cross it off on the front, and do it correctly on the back.

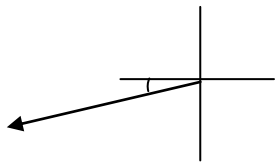
Find the Components of these two vectors:



Mag. = 13.4 m,  $\theta = 42.0^\circ$

$$1 = \text{_____}x + \text{_____}y$$

$$2 = \text{_____}x + \text{_____}y$$



Mag. = 6.12 m,  $\theta = 11.3^\circ$

$$\text{Add the Two Vectors: } 1+2 = \text{_____}x + \text{_____}y$$

Draw a picture of the resultant vector with its tail on the origin, find its magnitude, and label an angle indicating its direction:

