**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, θ = 42.0o

 1 = x + y

2 = x + y

Mag. = 6.12 m, θ = 11.3o

Add the Two Vectors: 1+2 = x + y

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