**IB Physics**

**FA 3.1 – Vectors**

Name

Carry a couple of extra sig figs, round only the final magnitude and angle to the correct number of sig figs.

Find the Components of these two vectors:

Mag. = 129 m, θ = 21.0o

1 = x + y

2 = x + y

Mag. = 173 m, θ = 35.0o

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: