**PHYS 101H VECTORS** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use the [graphical method](http://www.youtube.com/watch?v=NaMBAihHBwo) to find the magnitude (FR) & direction (*θR*) of the resultant for the three vectors shown below. (A= 100-g, B = 50-g, and C= 150-g). Here you need to draw a vector diagram, using a protractor and ruler, following the tail-to-tip method, to scale. Show the direction of the vectors and identify FR & *θR* in the drawing.

|  |  |
| --- | --- |
| c01/nw0032.gif | *FR*= \_\_\_\_\_\_\_\_\_\_\_\_  *θR* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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