

Physics Ch 3

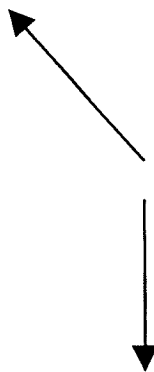
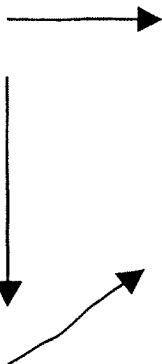
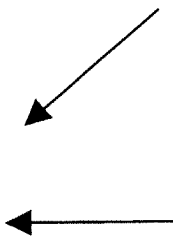
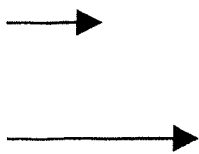
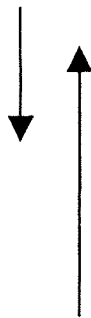
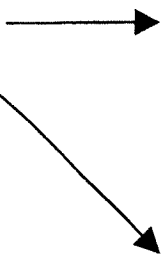
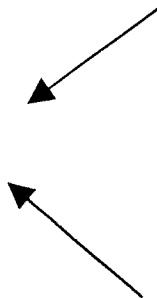
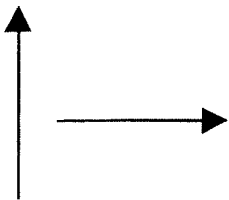
WKST - Vector Addition

Name _____

Vector Addition Worksheet

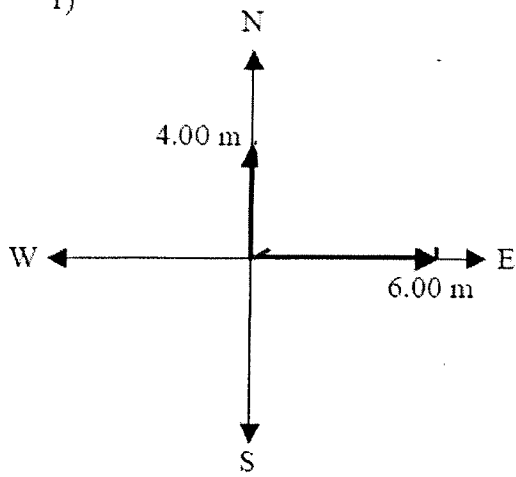
Directions: Graphically add each pair of vectors shown below in its box, making sure to show the vector addition as well as the resultant with a dotted line and arrowhead. If there is no resultant, **write "no R"**.

Example:

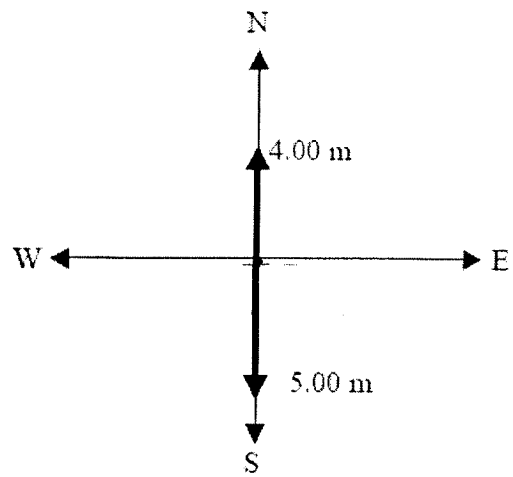


Vectors Practice: Sketch, then calculate the magnitude and direction of the resultant for each of the following pairs of vectors.

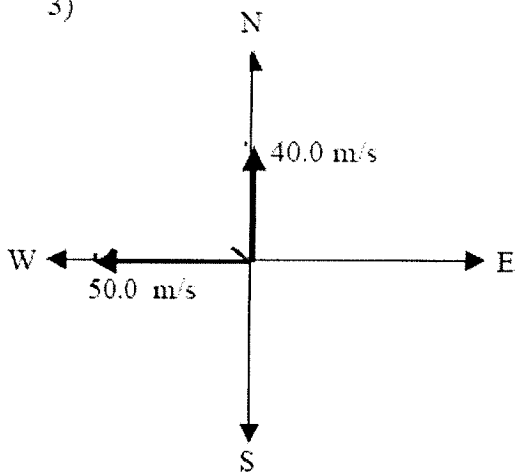
1)



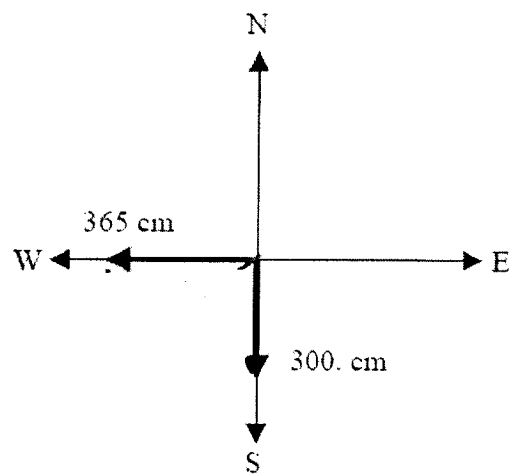
2)



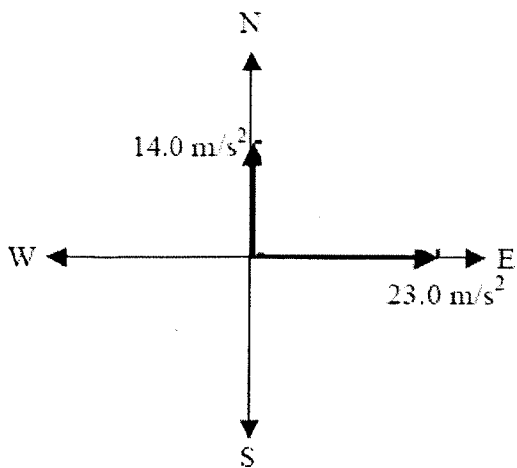
3)



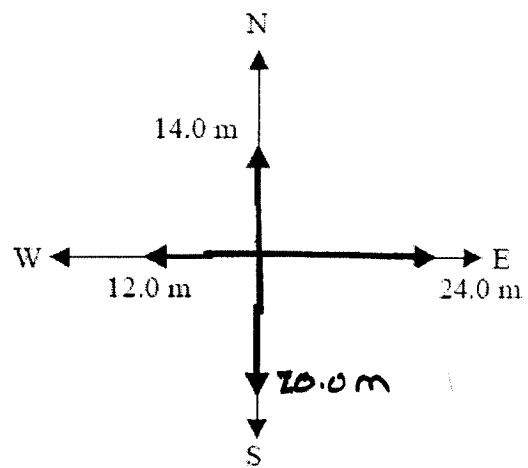
4)



5)

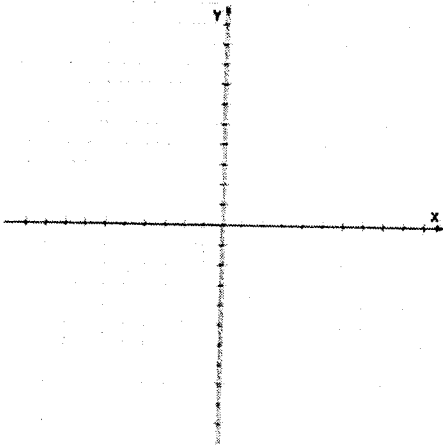


6)

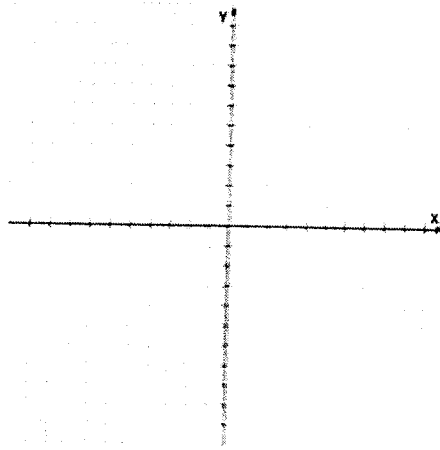


Sketch, then calculate the components of the following vectors.

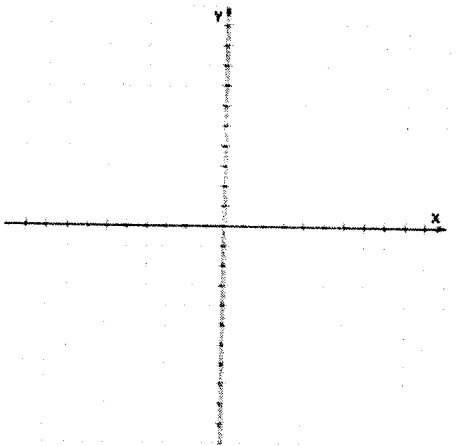
30.0 m @ 45.0° N of E



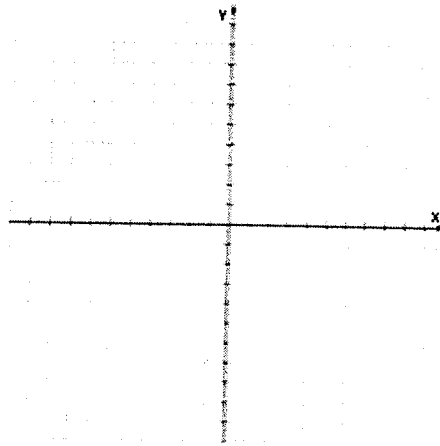
50.0 m @ 23.0° N of W



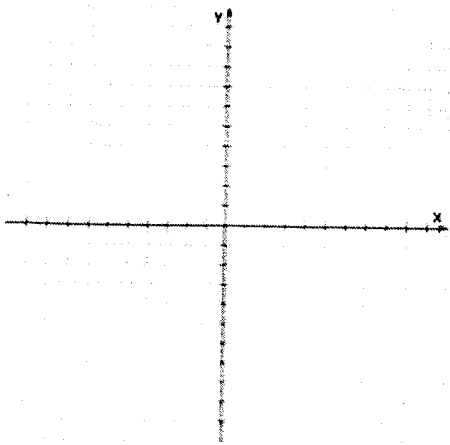
130. m/s @ 25.0° N of E



300.0 m @ 22.0° E of N



12.0 m @ 60.0° S of E



74.4 m/s² @ 79.0° S of W

