Name _____ Date _____

Honors Physics Vectors/Projectiles WS #2H

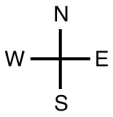
Period _____ Mrs. Nadworny

(25 pts)

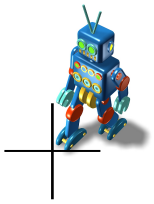
Drawing Vectors, Resultants, Non-Perpendicular Vectors

Directions – Draw the following vectors using the appropriate method learned in class.

1. A robot travels 60. km at 35^0 South of West

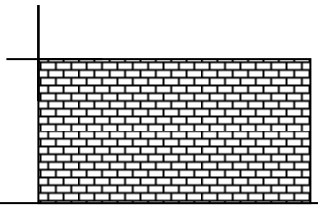


Scale: 1 cm = _____ km



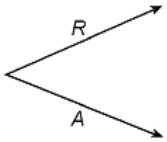
2. 4. A box is dragged to the left with a force of 48 N at an angle of $20.^0$ above the horizon.

Scale:

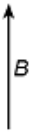


Continued on back

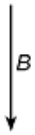
3. Vectors A and B have a resultant R. Vector A and resultant R are represented in the diagram below.



Which vector best represents vector B?

A) 

B)

C) 

D)

4. A frog hops 10.0 meters North along a river bank, and then hops 4.0 meters East to a lily pad. What is the displacement of the frog?

Scale Method	Math Method
	

Answers in size order: 11, 22

Draw in the resultant for the following vectors. Label your resultant.