PHYSICS IN MOTION
gpb.org/physics-motion

Unit 1D
Vectors & Scalars
Practice Problems

Name:

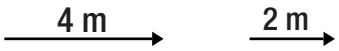
Date:

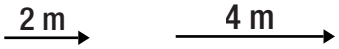
Work each of the following problems. SHOW ALL WORK.

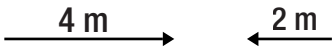
1. **Classify the following measurements as vector or scalar quantities:**

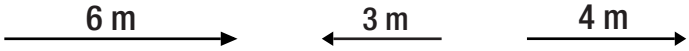
1.0 m =	_____	2.35 m north =	_____
-3.2 N =	_____	4.2 s =	_____
5.3 m/s^2 left =	_____	6.8 cm^2 =	_____
9.2 kg =	_____	7.3 km, 30° NE =	_____

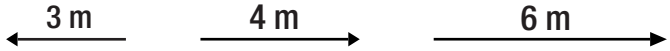
2. **Add the following vectors together using the tip-to-tail method, and determine the magnitude of the resultant.**

a. 

b. 

c. 

d. 

e. 

questions continued on next page

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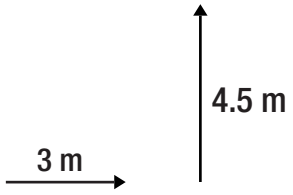
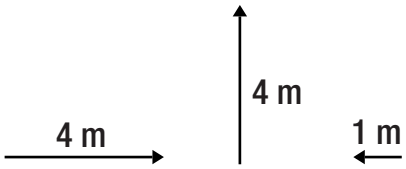
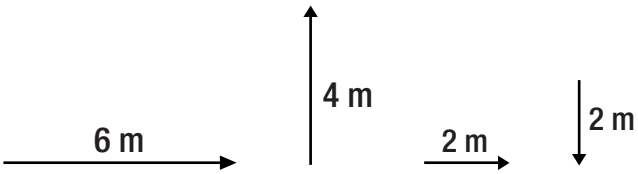
f.



g.



h.



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