

The \_\_\_\_\_ will be the frame of reference in motion questions.

A chicken crosses an 8 m wide road 4 times, winding up where she started. How far has she moved? The answer could be \_\_\_\_\_m or \_\_\_\_\_m.

Motion-

HOW FAR?

Displacement -

(The chicken's displacement is \_\_\_\_\_m.)

Distance-

(The chicken has moved a distance of \_\_\_\_\_m.)

Scalar Quantities:

- 
- 

Class Examples of Scalar Quantities -

Vector Quantities:

- 
- 

\_\_\_\_\_ is an example of vector quantity because -

Scalar Quantities and their Vector counterpart -

- \_\_\_\_\_ - scalar
- \_\_\_\_\_ - vector (ex. \_\_\_\_\_)
- \_\_\_\_\_ - scalar (ex. \_\_\_\_\_)
- \_\_\_\_\_ - vector (ex. \_\_\_\_\_)

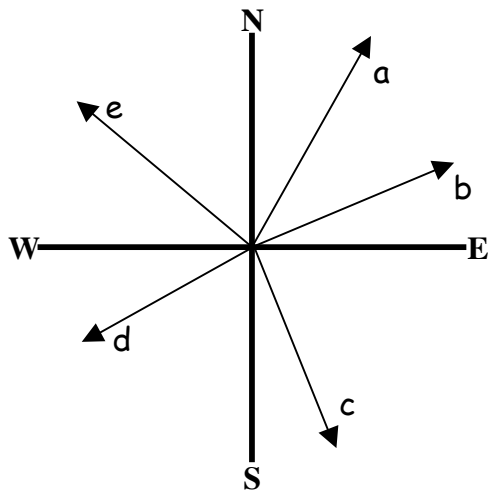
Vectors are drawn with \_\_\_\_\_

- the length represents \_\_\_\_\_ (defined as \_\_\_\_\_)
- the arrow point represents \_\_\_\_\_

Vector Directions:



\_\_\_\_\_ (more specifically, \_\_\_\_\_ of \_\_\_\_\_)  
*(Hint - the last direction listed is always the axis it is closet to!)*



Practice Angles #1:

- a)
- b)
- c)
- d)
- e)

Draw a set of axes in the space, then the vector, 37° West of South.

Copy and answer Show What You Know on your own paper.