Distance and Displacement

Direction: Choose the correct answer for each item.

1. Which of the following is affected by the path travelled by an object?

   A. distance

   B. displacement

   C. Both A and B

   D. Neither A nor B

2. Which of the following is TRUE?

   A. Distance is a vector while displacement is a scalar quantity.

   B. Distance is a scalar while displacement is a vector quantity.

   C. Both distance and displacement are scalar quantities.

   D. Both distance and displacement are vector quantities.

3. Three meters toward east is an example of _____.

   A. GPS

   B. distance

   C. displacement

   D. frame of reference

4. Which is FALSE about GPS?

   A. GPS uses satellites.

   B. GPS is used only in road navigation.

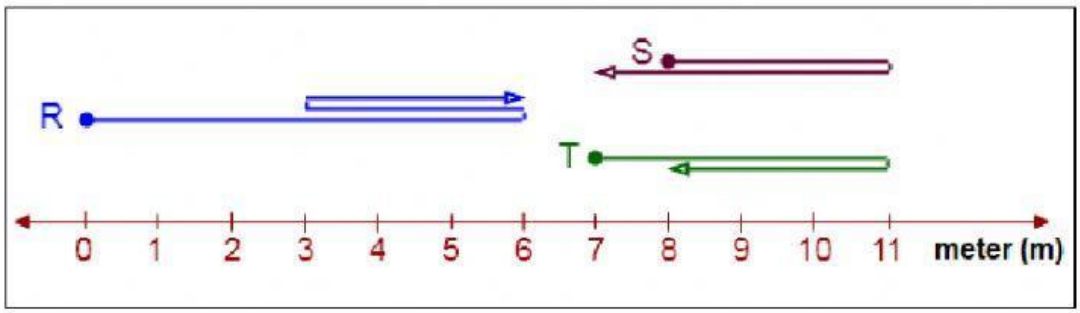
   C. GPS stands for Global Positioning System.

   D. GPS can provide farmers more precise data for planting and harvesting.

LIVEWORKSHEETS

Direction: Read the problem and solve for the values being asked.

The movement of objects R, S and T is marked on a scale as shown in the figure below. The dot indicates the initial position of an object while the arrow head is its final position. Find the distance and displacement covered by each object. Type numbers (positive or negative) only as your answers. If you are to write a negative number, do not put a space between the negative sign and the number.



Object	Distance (m)	Displacement (m)
R	5.)	6.)
S	7.)	8.)
T	9.)	10.)

LIVEWORKSHEETS