

Follow up Questions

1. Which of the above graphs are functions?

All except the zig-zag.

Your initial of your name may vary.

2. What variable is a function of what? (what variable depends on the other)

The Distance depends on time (sec)
(m)

3. What are the possible inputs for the graphs? Can they be negative? What are the minimum and maximum values that the domain can be?

Inputs : $0 \rightarrow \infty$ No neg.

Can't go back in time.

4. What are the possible outputs? Can they be negative? What are the minimum and maximum values that the range can be?

Outputs: $0 \rightarrow \infty$ No neg.

can't go through the wall.

5. Are there any letters that are impossible to make? Which ones? If there are, why are they impossible to make?

All but v ; w . Those that are impossible fail the VLT

6. Is it possible for time to be function of distance? Why or why not? Draw a picture if necessary

No . Time never stops. It's a continuous variable. Distance can stop, increase or decrease.

7. What happens to the slope (steepness) of the line when you...

walk fast? steeper

Walk slow? less steep

Stop? horizontal line

Reverse directions? change sign of slope to -

Walk towards the wall? neg slope.

Walk away from the wall? + slope.