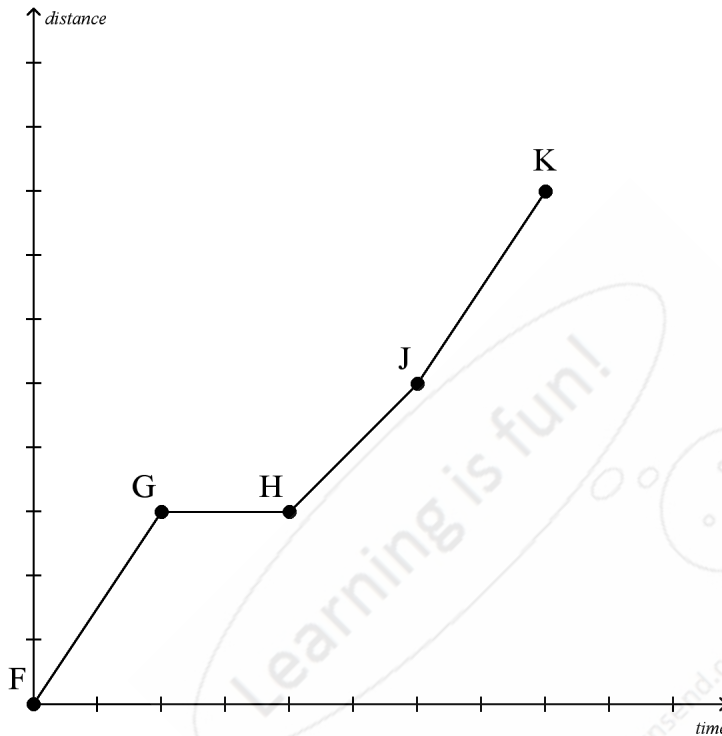**Non Linear Functions**

Multiple Choice
Identify the choice that best completes the statement or answers the question.

____   The graph shows Julie's morning run:

Which interval on the graph shows Julie stopping to tie her shoes and stretch?
    From points F to G   From points H to J
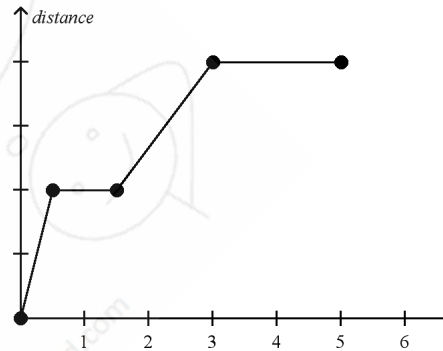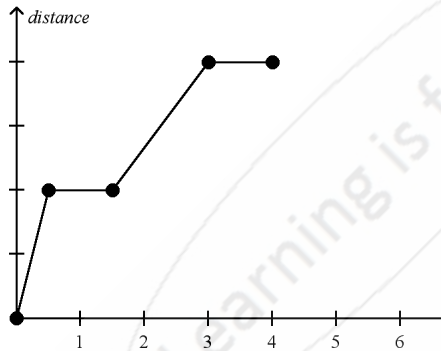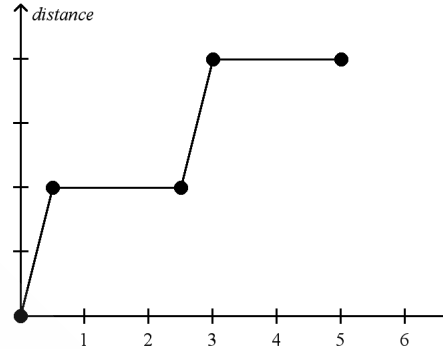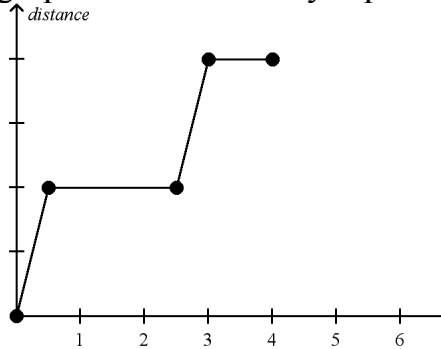   From points J to K   From points G to H

_____   You drove for 30 minutes, then spent 2 hours shopping, then drove for 30 minutes and stopped at a friend's house for 1 hour. The total distance you traveled by car is a function of time.
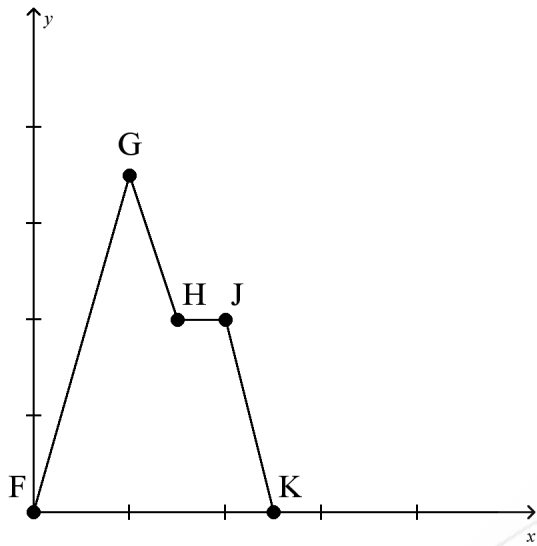
Which graph most accurately represents this scenario?

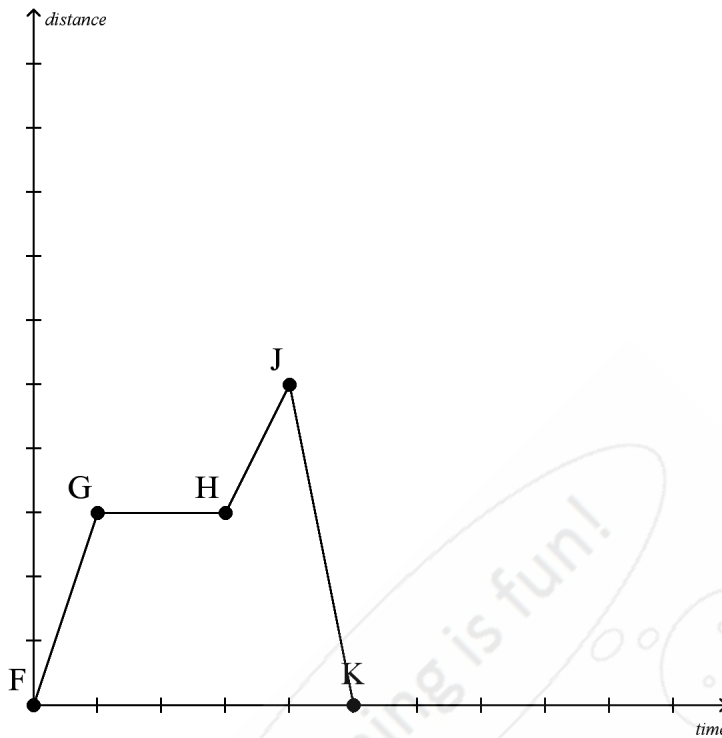____   Which section of the function is neither increasing nor decreasing?

From points H to J   From points F to G
From points J to K   From points G to H

____ The graph shows the distance a cyclist traveled in yards (y) as a function of time in seconds (x). The graph is divided into four segments.

Which segment on the graph did the cyclist complete after getting a drink of water?
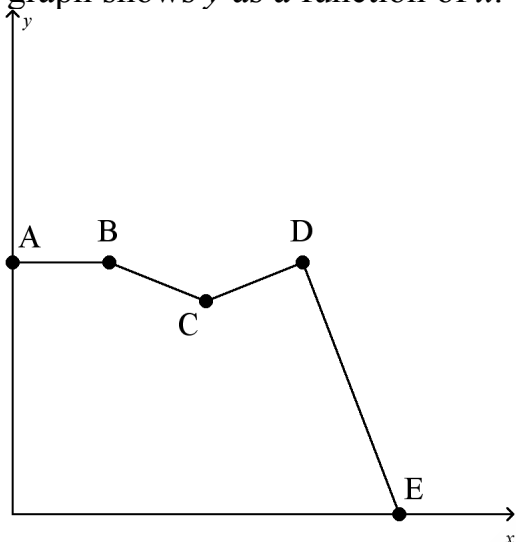
Segment JK   Segment FG
Segment HJ   Segment GH

____ The graph shows *y* as a function of *x*.
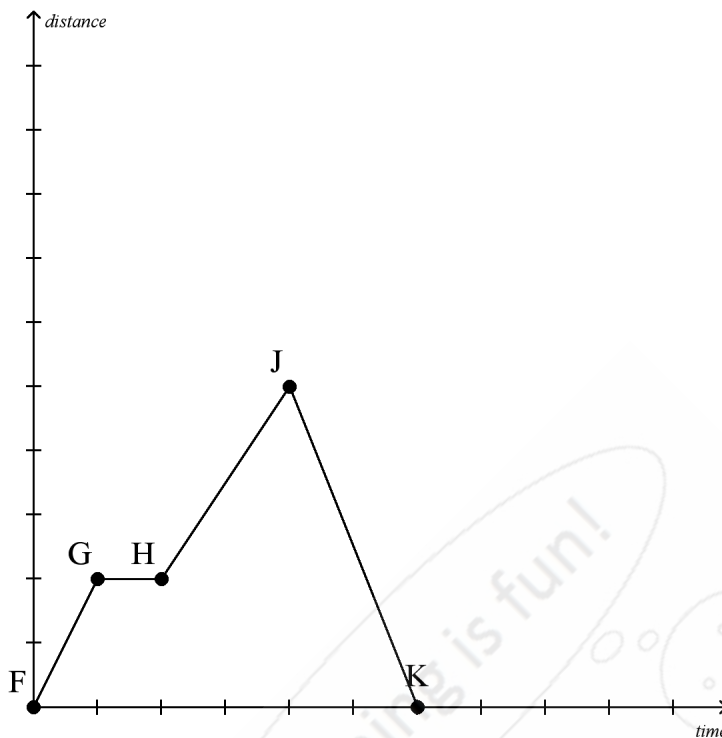

In which segment is the function increasing?

$\overline{BC}$ $\overline{AB}$

$\overline{CD}$ $\overline{ED}$

____ The graph shows the distance Mary traveled in miles (y) as a function of time in seconds (x). The graph is divided into four segments.

Which segment on the graph did the Mary complete while waiting for a cab?

Segment HJ   Segment GH
Segment FG   Segment JK

Non Linear Functions
Answer Section

MULTIPLE CHOICE

D
A
A
B
B
C