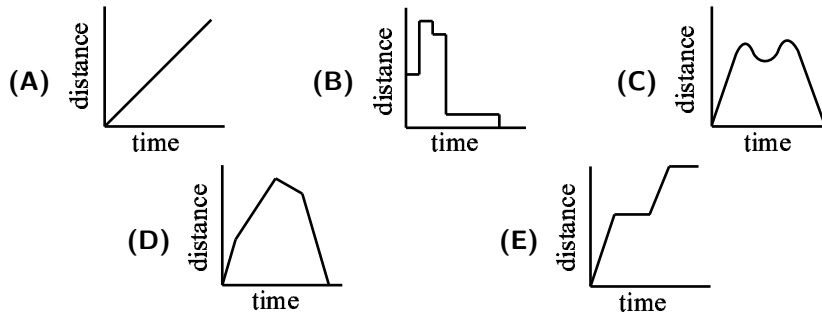


- Tess runs counterclockwise around rectangular block $JKLM$. She lives at corner J . Which graph could represent her straight-line distance from home?



2004 AMC 8, Problem #23

“The distance increases as Tess moves from J to K ”

- Solution

(D) The distance increases as Tess moves from J to K , and continues at perhaps a different rate as she moves from K to L . The greatest distance from home will occur at L . The distance decreases as she runs from L to M and continues at perhaps a different rate as she moves from M to J . Graph D shows these changes.

Difficulty: Medium-hard

NCTM Standard: Problem Solving
solve problems that arise in mathematics and in other contexts

Mathworld.com Classification:
Applied Mathematics > Data Visualization > Function Graph