

PROBLEM SOLVING TECHNIQUE 6: ELIMINATE INCORRECT CHOICES

A teacher draws a number of circles on a piece of paper.

The first class comes in. The teacher holds up the piece of paper to the class and asks, "Exactly how many circles can you see on this paper?" "THREE!" answers the class.

The second class comes in. The teacher holds up the same piece of paper and asks, "Exactly how many circles can you see on this paper?" "FOUR!" answers the class.

If both classes are correct about the number of circles, how many circles are on the paper? Explain your reasoning.

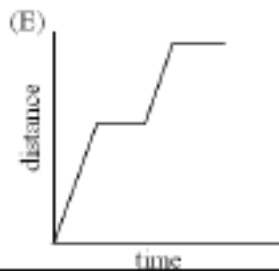
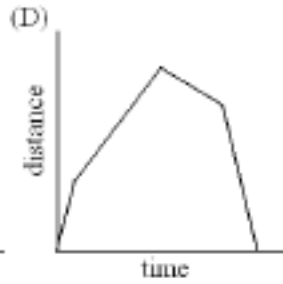
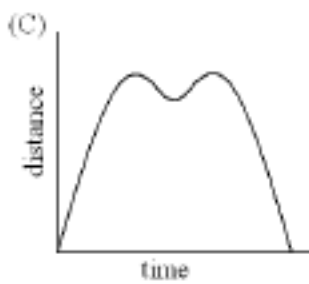
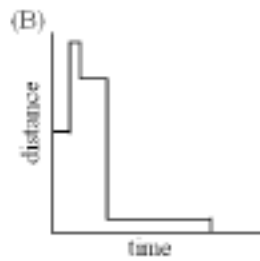
Which of the following is true?

1. Exactly one of these sentences is FALSE.
2. Exactly two of these sentences are FALSE.
3. All three of these sentences are FALSE.

Explain your reasoning.

PROBLEM SOLVING TECHNIQUE 6: ELIMINATE INCORRECT CHOICES

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



Explain your reasoning.