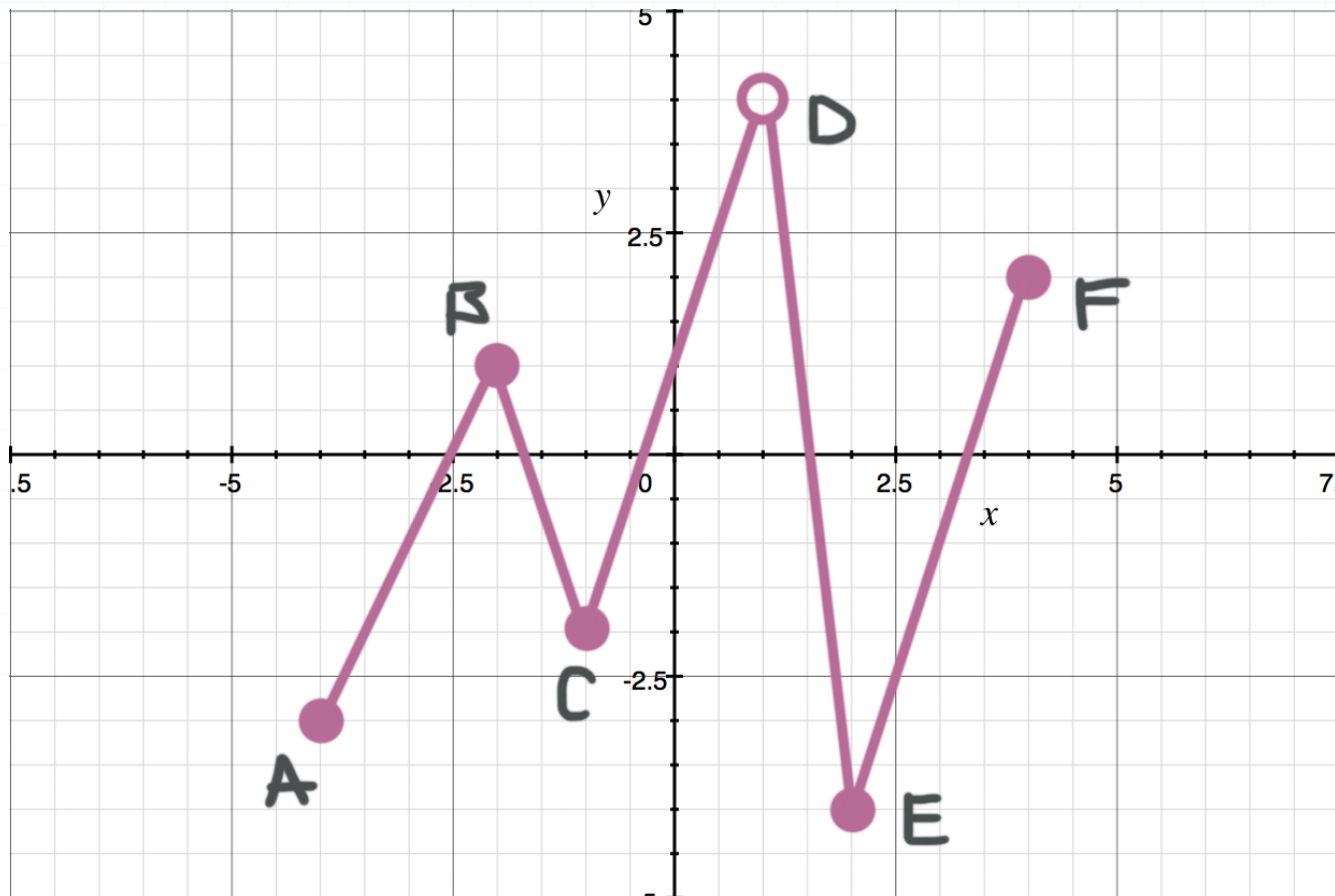**Topic**: Sketching graphs

Question: Classify the point B.

Answer choices:
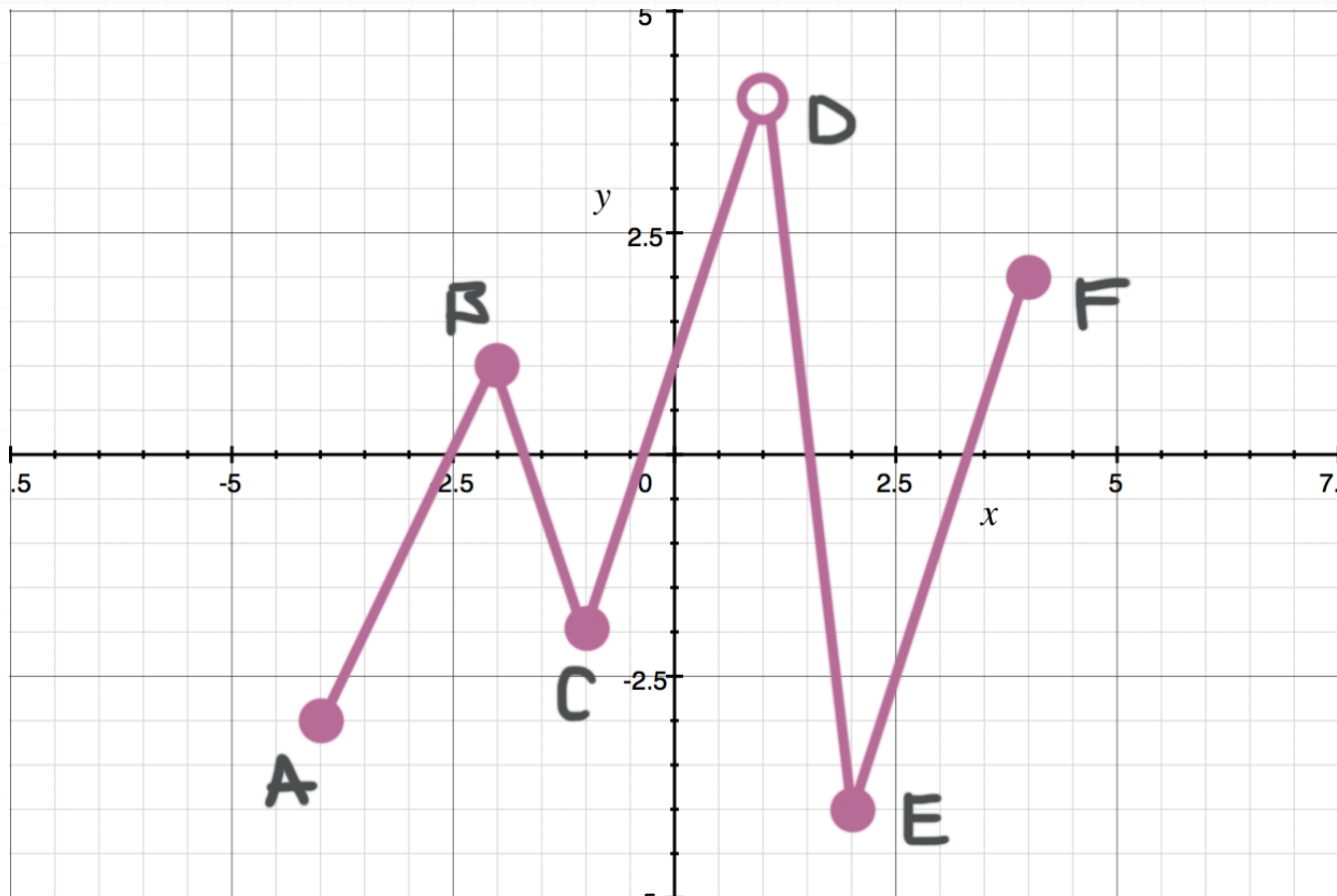
A   Absolute maximum

B   Absolute minimum

C   Local maximum

D   Local minimum

Solution: C

The point B on the graph is a relative maximum, because B is the highest point in that area of the graph, but not the highest point on the entire domain of the graph.

Topic: Sketching graphs

Question: Classify the point C.
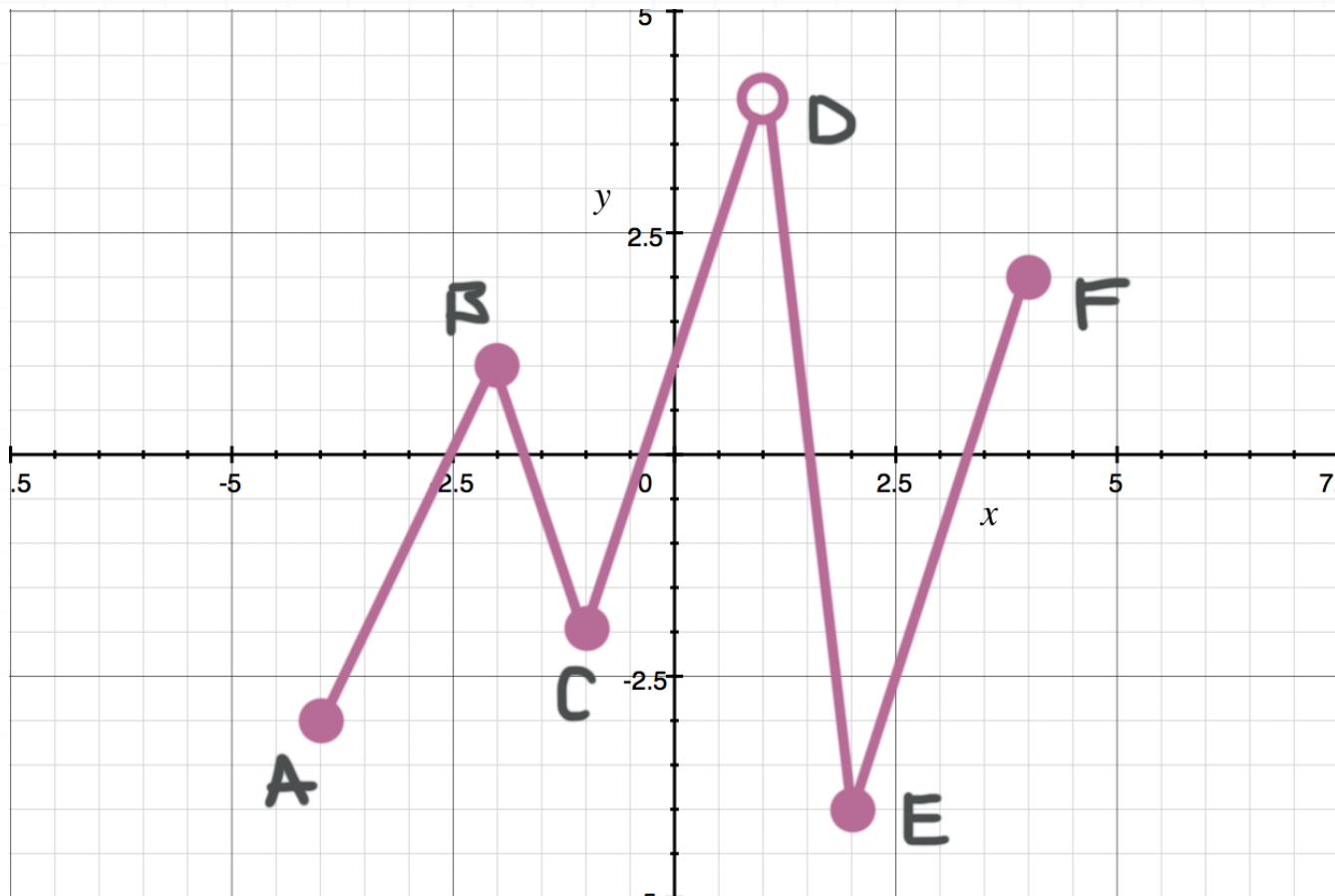

Answer choices:

A   Absolute maximum

B   Absolute minimum

C   Local maximum

D   Local minimum

Solution: D

The point C on the graph is a relative minimum because C is the lowest point in that area of the graph, but not the lowest point on the entire domain of the graph.

Topic: Sketching graphs

Question: Classify the point E.

Answer choices:

A   Absolute maximum

B   Absolute minimum

C   Local maximum

D   Local minimum

Solution: B

The point E on the graph is an absolute minimum because E is the lowest point on the entire domain of the graph.