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Cartesian and Geometry
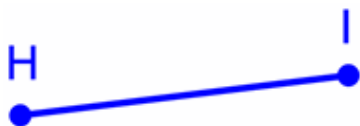## Lindsay Mandigo

Question 1
Draw segment GH, given points H and G below.

H
•

G
•

Question 2
Identify the geometric figure below.

H

I

Question 3
Identify the geometric figure below.

F

G
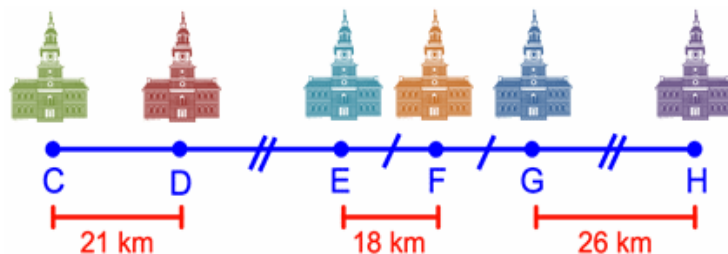
Question 4
**Identify** the geometric figure below.

O

P

Question 5
A country road passes through several small towns: Carlisle, Davenport, Elmira, Fergus, Grimsby and Highbury. There are 21 km between Carlisle and Davenport, and 18 km between Elmira and Fergus. Grimsby is 26 km away from Highbury. The diagram below shows the road that passes through the towns.

Determine the distance ($m\overline{CG}$) between Carlisle and Grimsby.

C   D   E   F   G   H
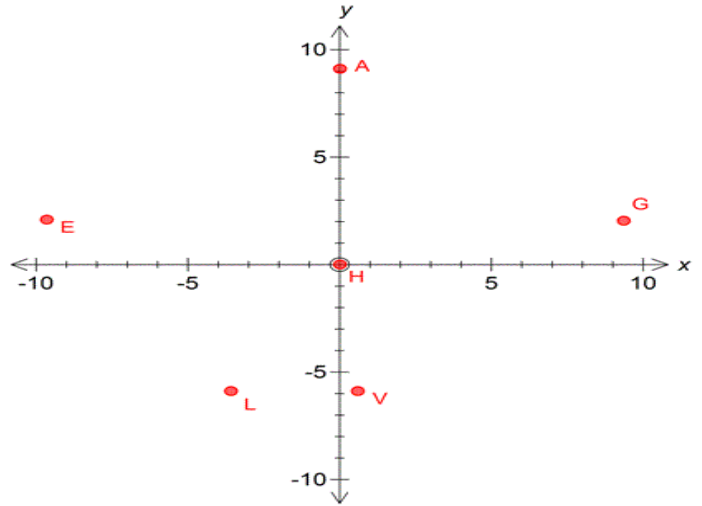|—— 21 km ——| |—— 18 km ——| |—— 26 km ——|

Question 6

Given the points in the Cartesian plane below, identify the point(s) that are in the 1ˢᵗ quadrant.
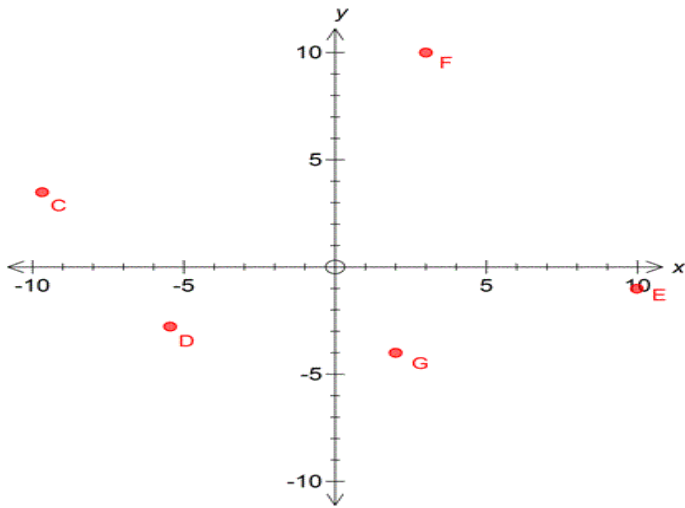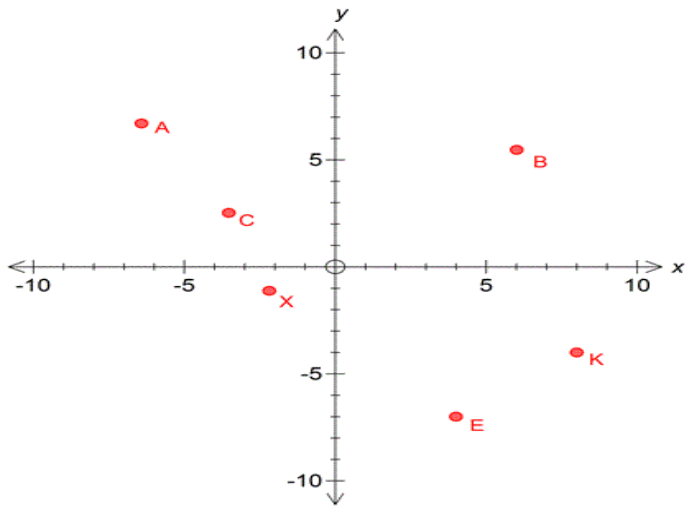

Question 7

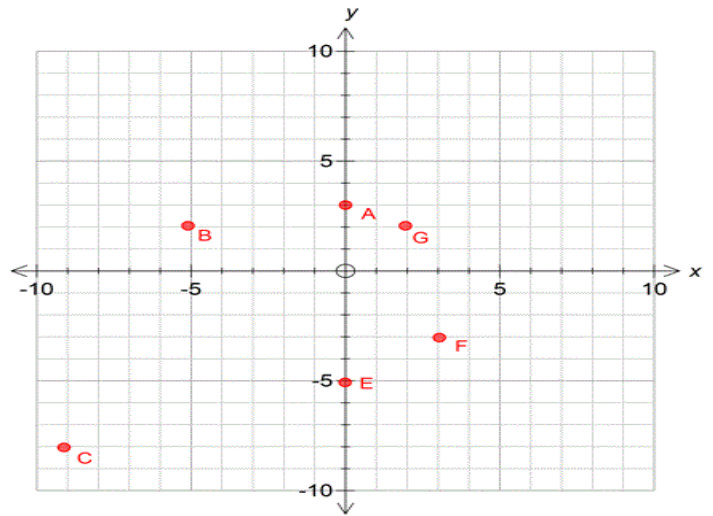Given the points in the Cartesian plane below, identify the point(s) on the y-axis.

Question 8

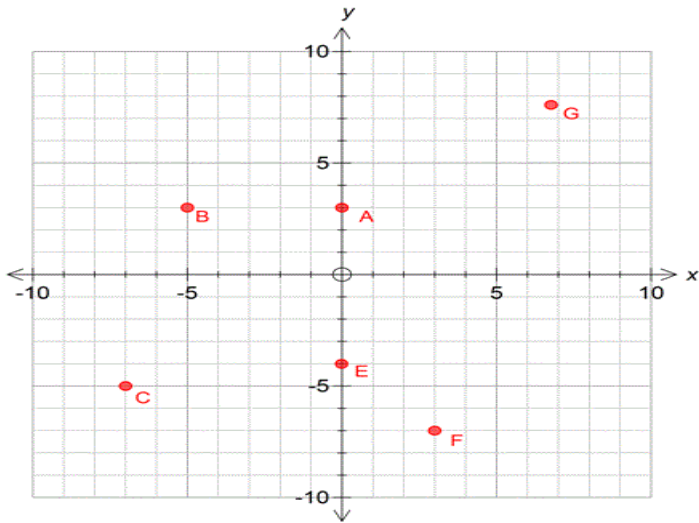Given the points in the Cartesian plane below, identify the point(s) that are in the 3rd quadrant.

Question 9

Which of the following points in the Cartesian plane below has coordinates (2, 2)?

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Question 10

Which of the following points in the Cartesian plane below has coordinates (0, -4)?

Question 12

Give the measure of acute angle ∠AOB.

Question 11

How many degrees must an angle have to be classified

as **obtuse**?
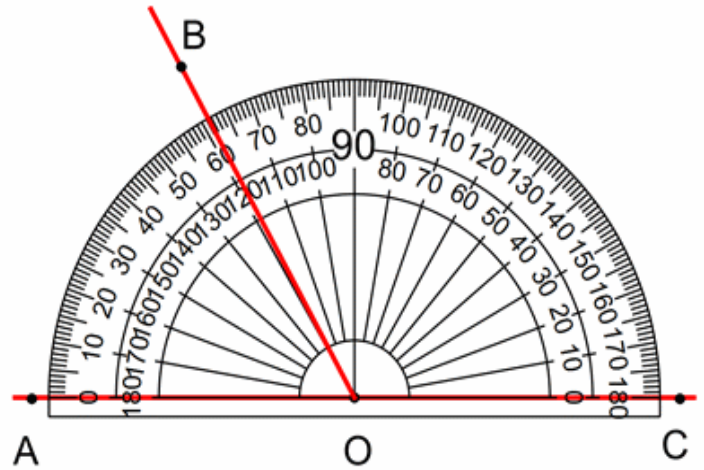
Question 13

How many degrees must an angle have to be classified

as **acute**?

Question 14

Which of the following diagrams shows a right angle?

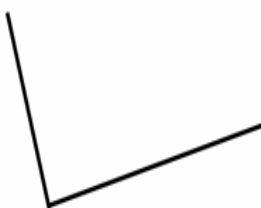NOTE: There may be more than one.

DIAGRAM 1   DIAGRAM 2   DIAGRAM 3

Question 15

How many degrees must an angle have to be classified

as *right-angled*?