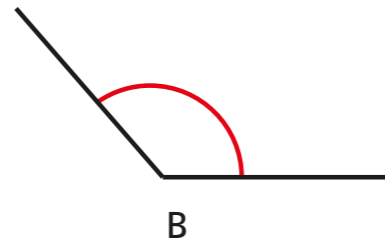
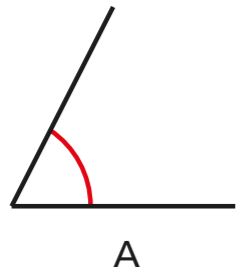


# Compare and order angles

1 Here are two angles.



a) Which angle is obtuse?

B

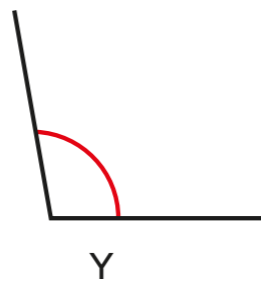
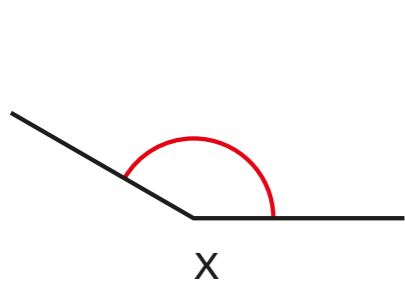
b) Which angle is acute?

A

How do you know?



2 Here are two angles.



a) What type of angle is angle X?

obtuse

b) What type of angle is angle Y?

acute

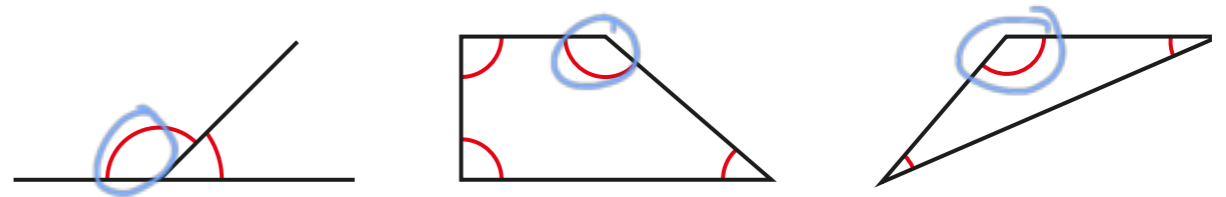
c) Which angle is smaller?

Y

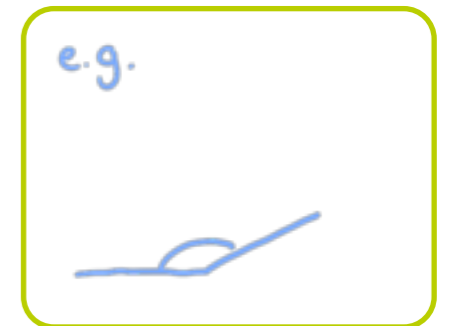
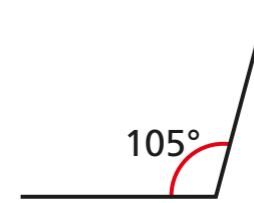
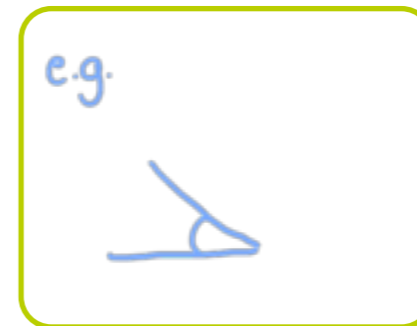
How do you know?



3 Circle the greatest angle in each diagram.



4 Here is an angle.



- a) Draw a smaller angle than  $105^\circ$  in the box on the left.
- b) Draw a greater angle than  $105^\circ$  in the box on the right.
- c) Is this statement true or false?

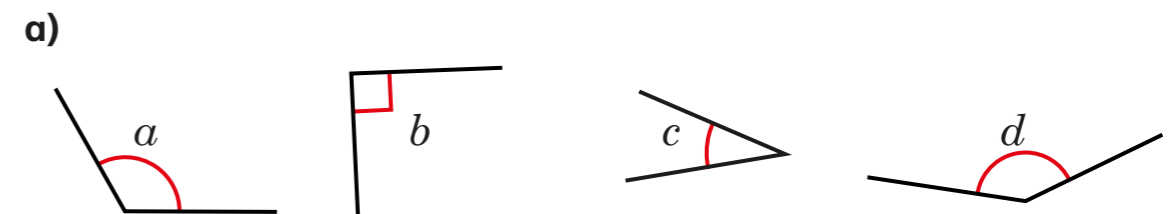
The angles are in ascending order of size.

true

Explain your answer.

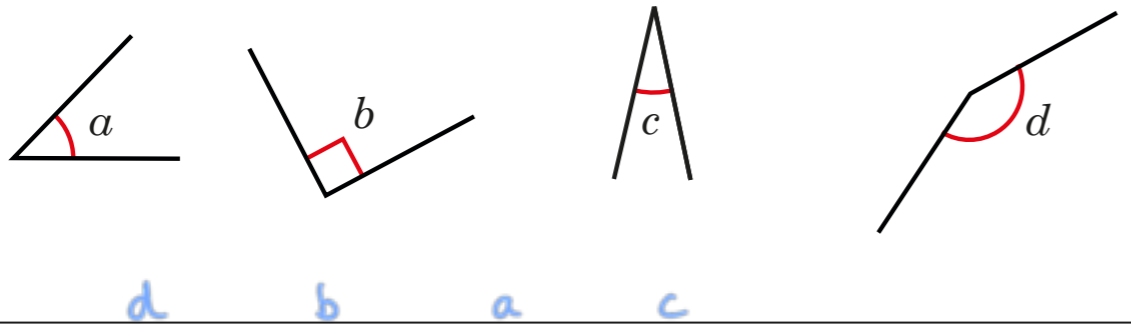


5 Order the angles from greatest to smallest.

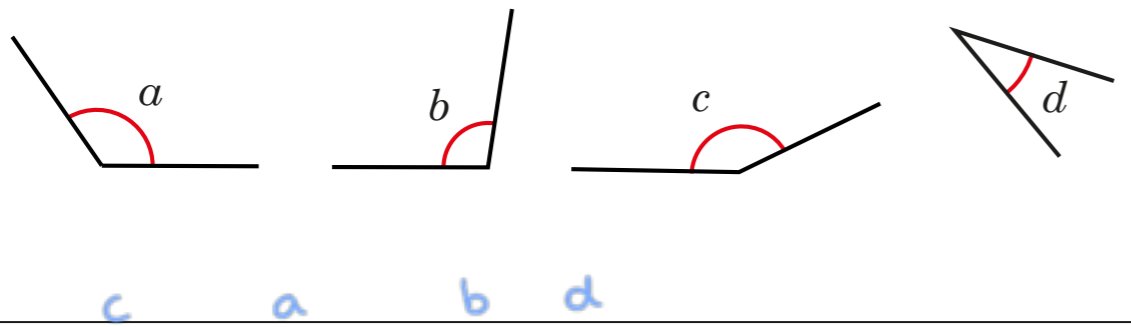


d a b c

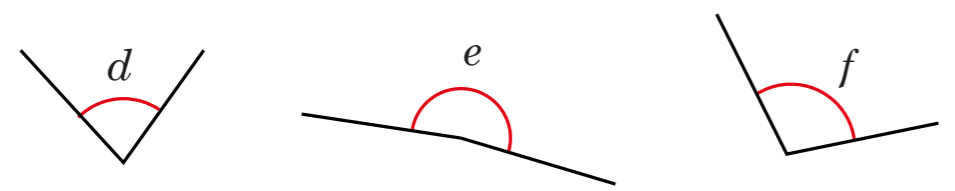
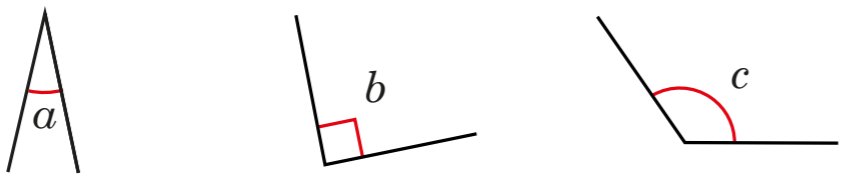
b)



c)

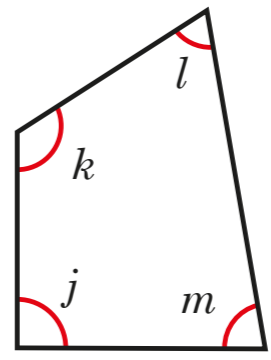


6 Compare and order the angles from smallest to greatest.



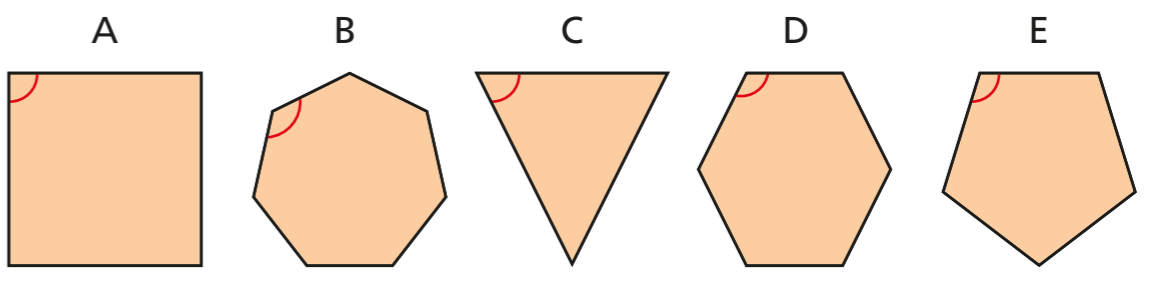
a d b f c e

7 Four angles are labelled in the quadrilateral.



- a) Which of the angles are acute angles? l m
- b) Which of the angles are obtuse angles? k
- c) Write the angles in order of size, starting with the smallest.  
l m j k

8 An interior angle is marked in each polygon.



Order the interior angles of the polygons from smallest to greatest.

C A E D B

What do you notice about the number of sides a polygon has and the size of its interior angle?