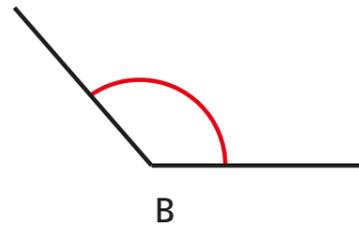
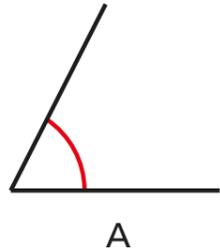


# Compare and order angles

1 Here are two angles.



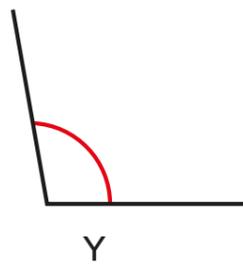
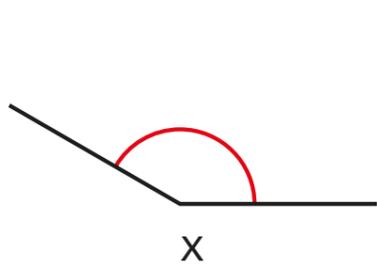
a) Which angle is obtuse? \_\_\_\_\_

b) Which angle is acute? \_\_\_\_\_

How do you know? \_\_\_\_\_



2 Here are two angles.



a) What type of angle is angle X? \_\_\_\_\_

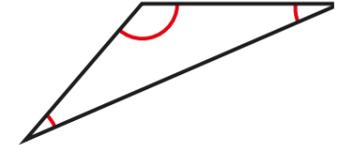
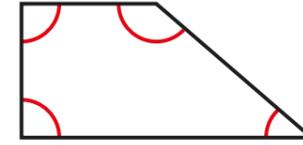
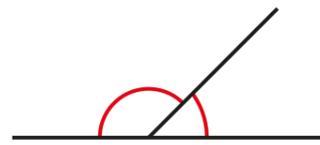
b) What type of angle is angle Y? \_\_\_\_\_

c) Which angle is smaller? \_\_\_\_\_

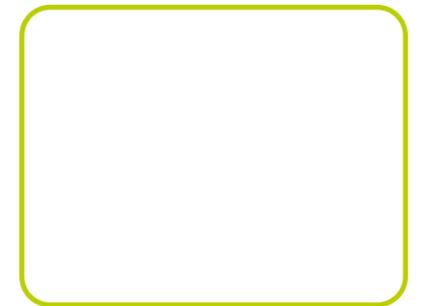
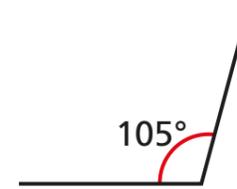
How do you know? \_\_\_\_\_



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.

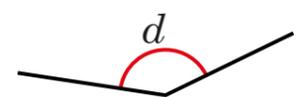
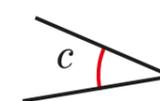
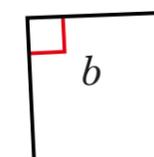
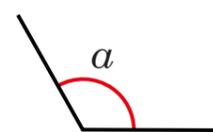
\_\_\_\_\_

Explain your answer. \_\_\_\_\_



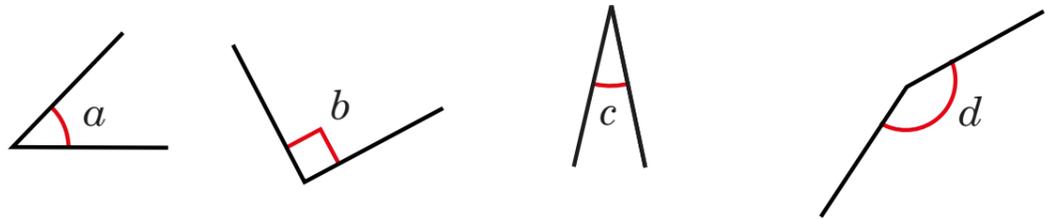
5 Order the angles from greatest to smallest.

a)



\_\_\_\_\_

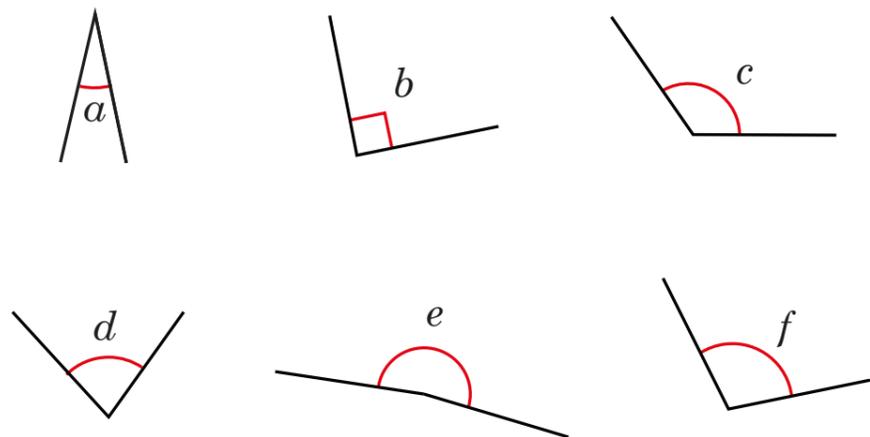
b)



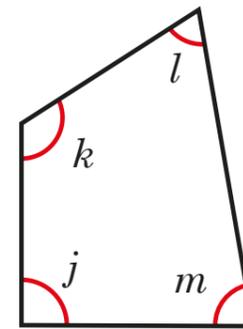
c)



6 Compare and order the angles from smallest to greatest.



7 Four angles are labelled in the quadrilateral.

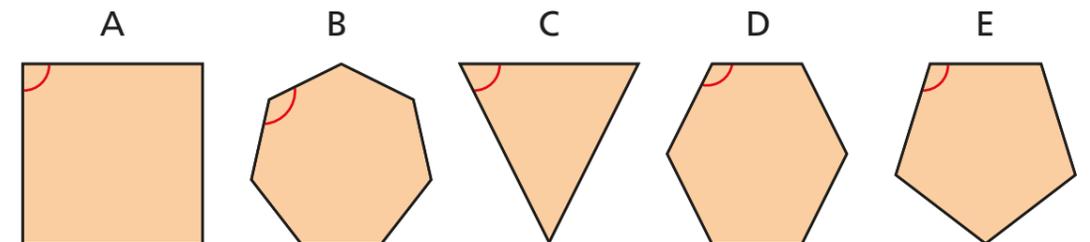


a) Which of the angles are acute angles? \_\_\_\_\_

b) Which of the angles are obtuse angles? \_\_\_\_\_

c) Write the angles in order of size, starting with the smallest.  
\_\_\_\_\_

8 An interior angle is marked in each polygon.



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

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

