

# PROPERTY OF SHAPE - DAY 2

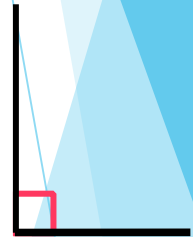
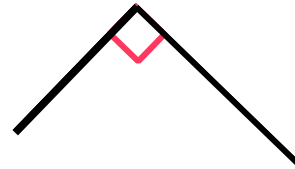
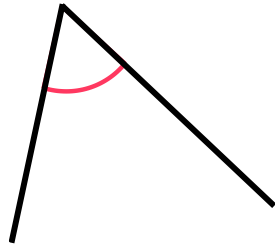
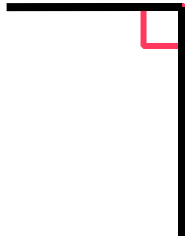
To be able to compare and order angles

# SUCCESS CRITERIA

- ✓ I can compare and order angles, using both ascending and descending orders
- ✓ I can explain my reasoning when comparing and ordering angles, using both ascending and descending orders

## STARTER

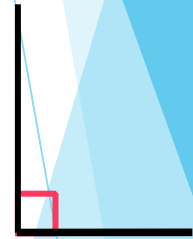
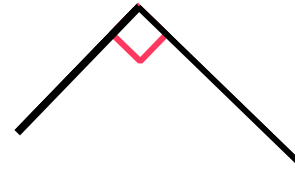
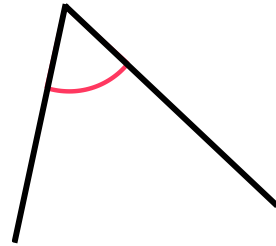
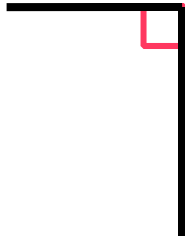
Which one doesn't belong?



Explain your answer.

## STARTER

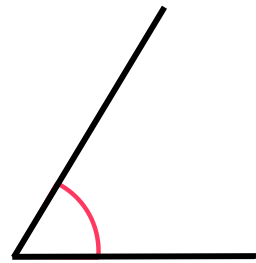
Which one doesn't belong?



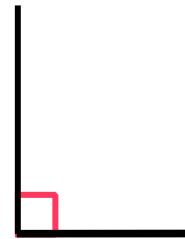
The second angle doesn't belong as it is an acute angle, whereas the other three angles are all right angles (shown at various orientations).

## TALKING TIME

Referring to the angles shown, complete the sentences below.



Angle A



Angle B

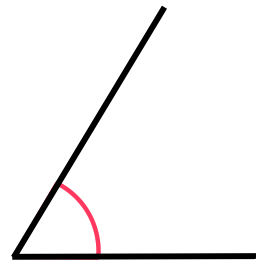
Angle A is a/an \_\_\_\_\_ angle.

Angle B is a/an \_\_\_\_\_ angle.

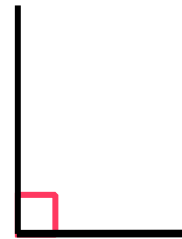
Angle \_\_ is greater than Angle \_\_.

## TALKING TIME

Referring to the angles shown, complete the sentences below.



Angle A



Angle B

Angle A is a/an an acute angle.

Angle B is a/~~a~~n right angle.

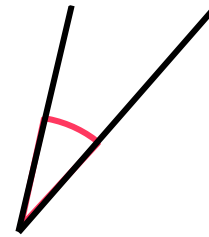
Angle B is greater than Angle A.

## ACTIVITY 1

Referring to the angles shown, complete the sentences below.



Angle A



Angle B

Angle A is a/an \_\_\_\_\_ angle.

Angle B is a/an \_\_\_\_\_ angle.

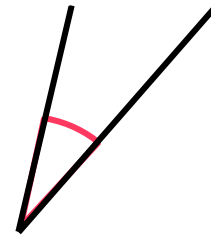
Angle \_\_ is greater than Angle \_\_.

## ACTIVITY 1

Referring to the angles shown, complete the sentences below.



Angle A



Angle B

Angle A is a/an obtuse angle.

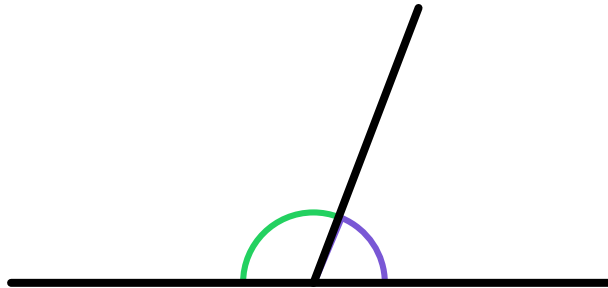
Angle B is a/an acute angle.

Angle A is greater than Angle B.



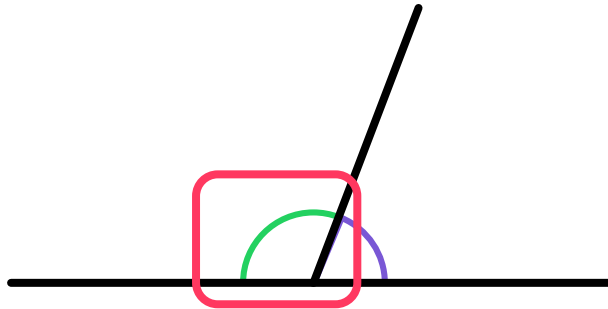
## TALKING TIME

Circle the greatest angle shown below.



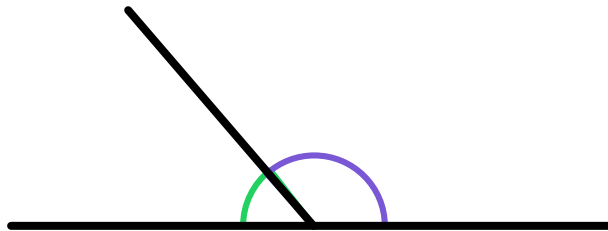
## TALKING TIME

Circle the greatest angle shown below.



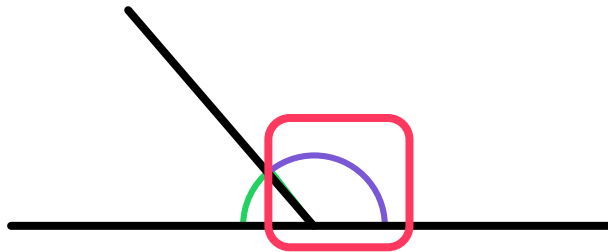
## TALKING TIME

Circle the greatest angle shown below.



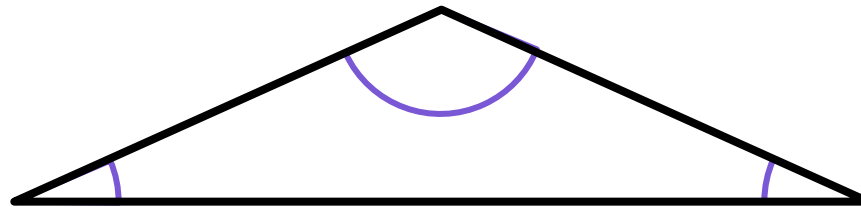
## TALKING TIME

Circle the greatest angle shown below.



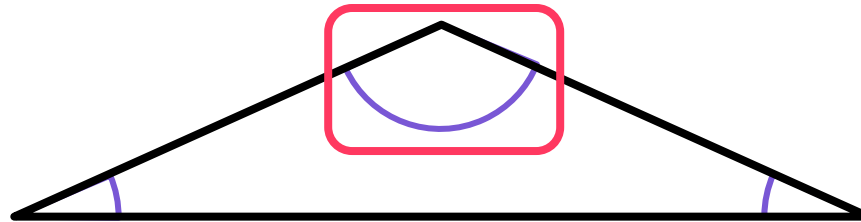
## TALKING TIME

Circle the greatest angle shown below.



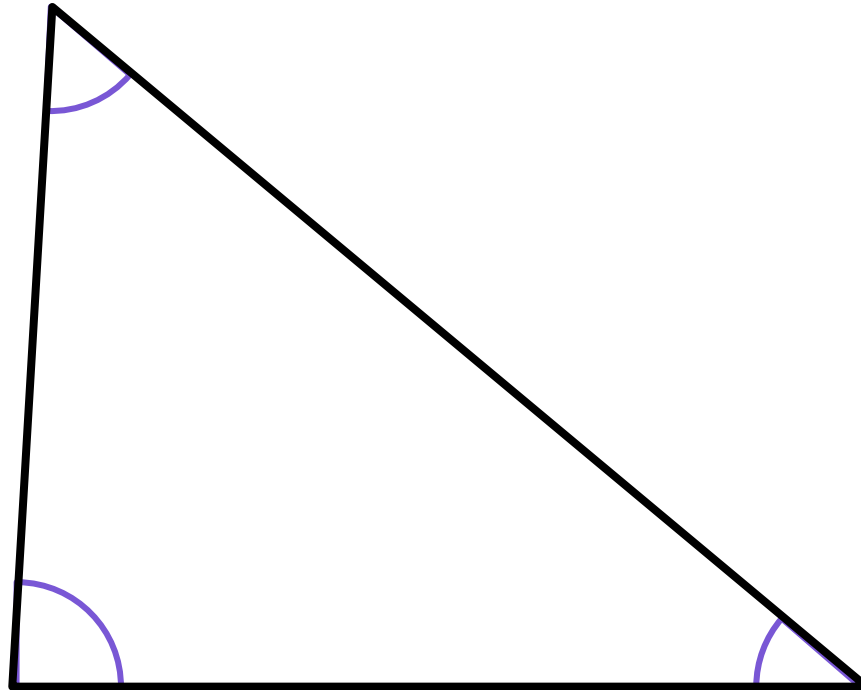
## TALKING TIME

Circle the greatest angle shown below.



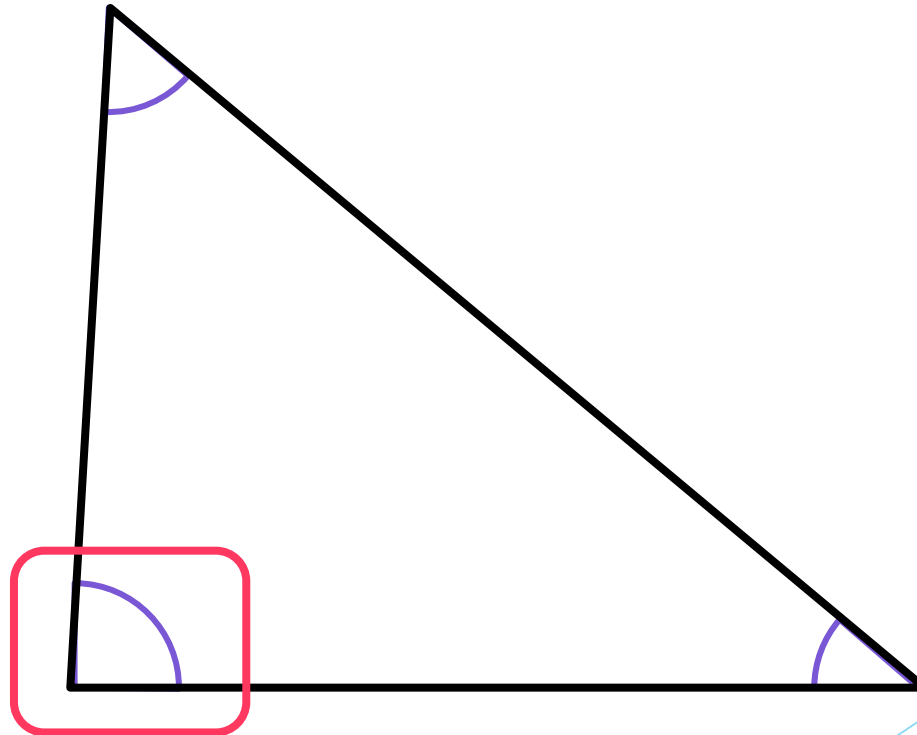
## TALKING TIME

Circle the greatest angle shown below.



## TALKING TIME

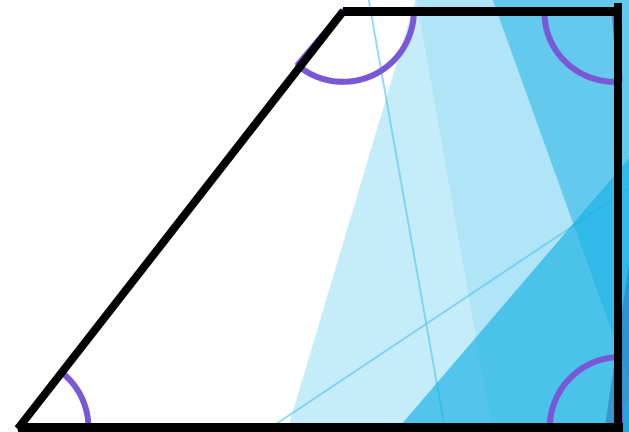
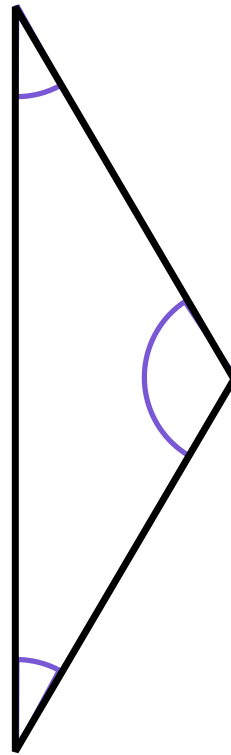
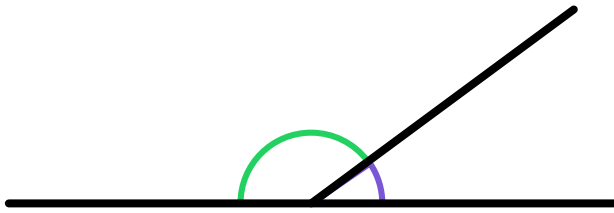
Circle the greatest angle shown below.





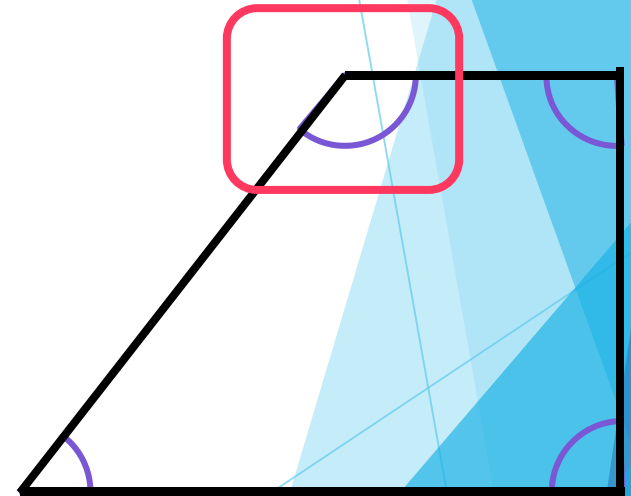
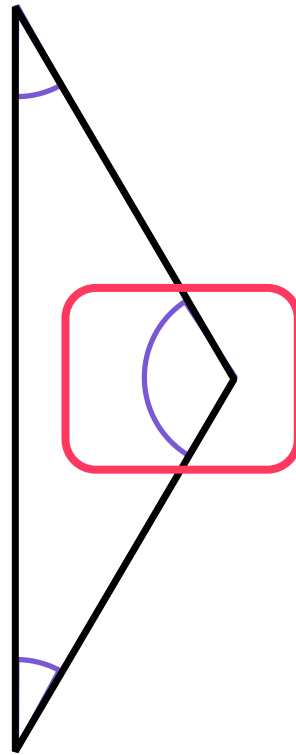
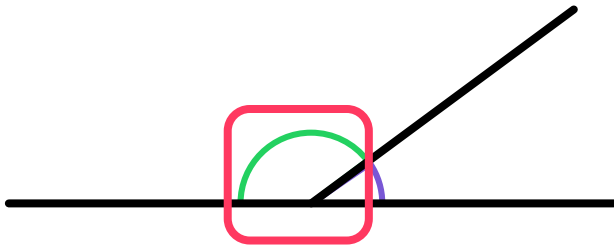
## ACTIVITY 2

Circle the greatest angle shown within each of the lines or shapes below.



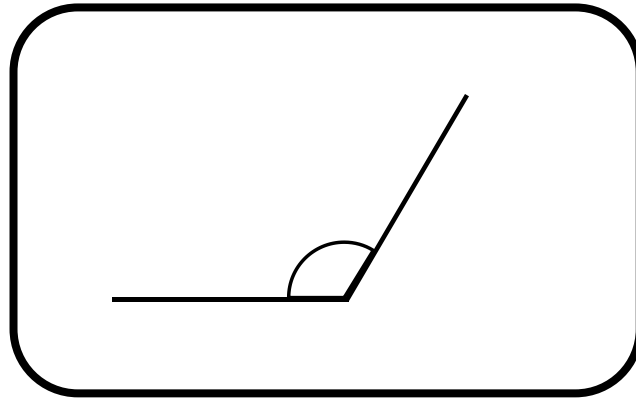
## ACTIVITY 2

Circle the greatest angle shown within each of the lines or shapes below.



## ACTIVITY 3

The angle  $120^\circ$  is drawn in the middle box.  
Draw a larger angle in the left-hand box. Draw a smaller angle to the right.

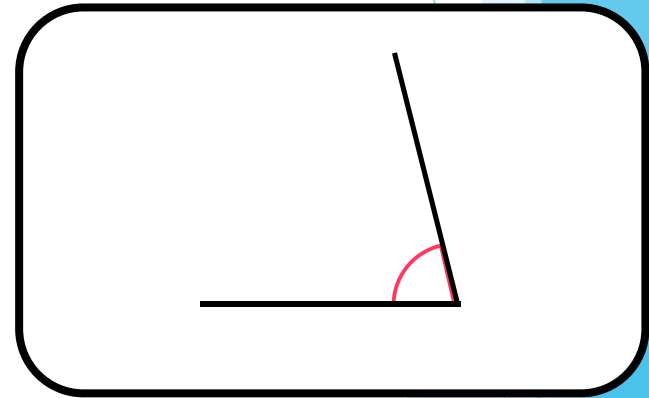
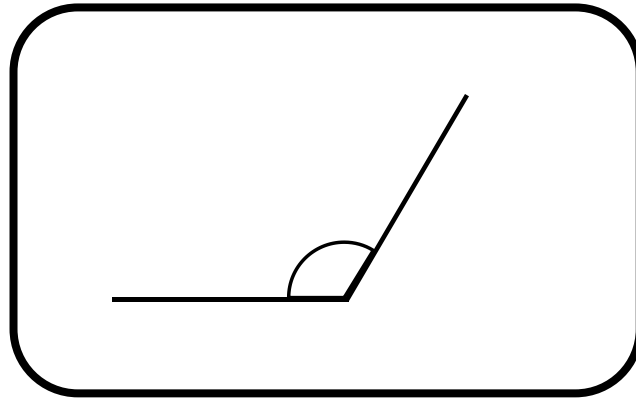
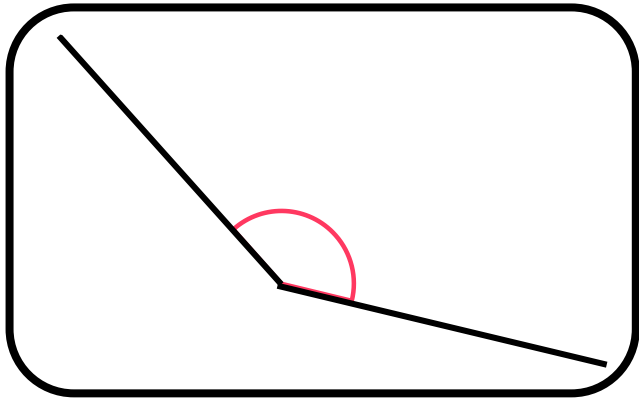


James says, “The angles have been drawn in ascending order.”

Do you agree? Explain your answer.

## ACTIVITY 3

The angle  $120^\circ$  is drawn in the middle box.  
Draw a larger angle in the left-hand box. Draw a smaller angle to the right.



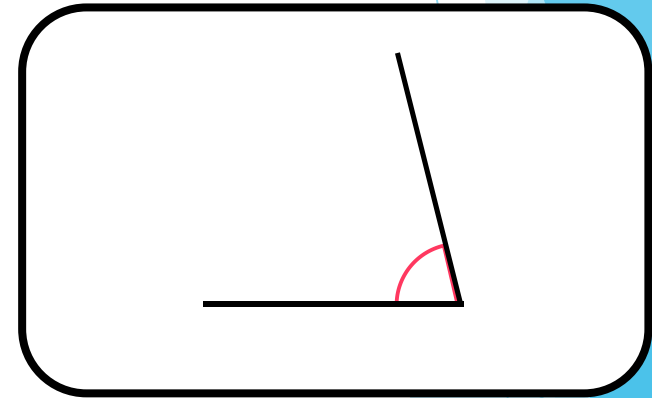
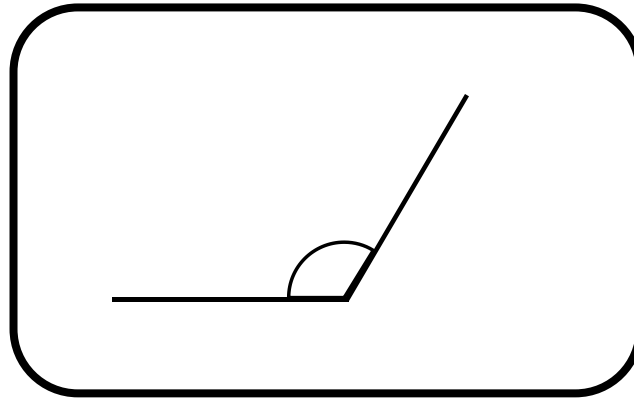
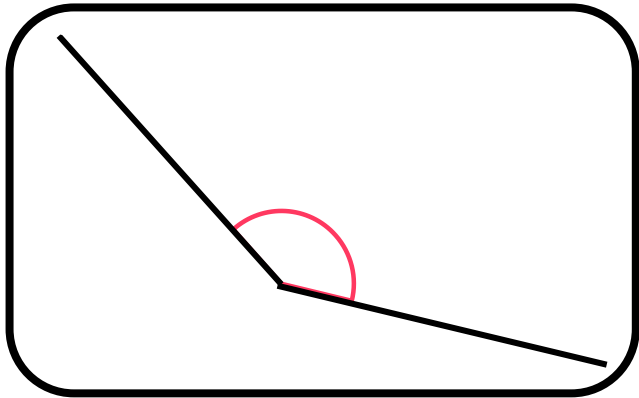
James says, “The angles have been drawn in ascending order.”

Do you agree? Explain your answer.

## ACTIVITY 3

The angle  $120^\circ$  is drawn in the middle box.

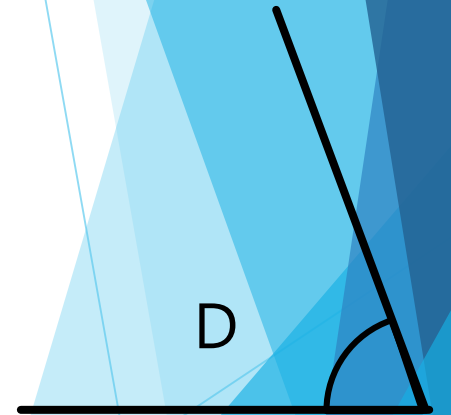
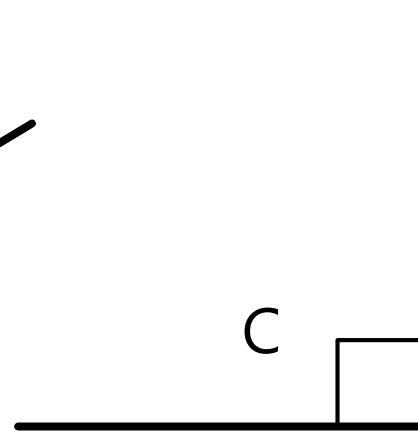
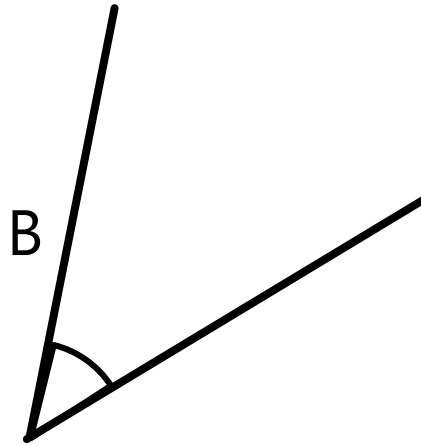
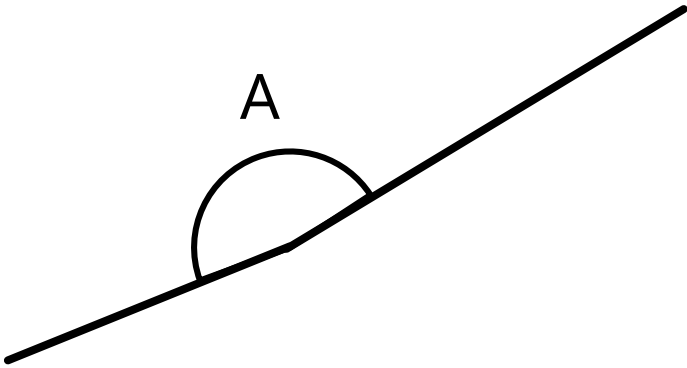
Draw a larger angle in the left-hand box. Draw a smaller angle to the right.



No, I do not agree. The largest angle is on the left and the smallest angle is on the right, so the angles have been drawn in **descending** order.

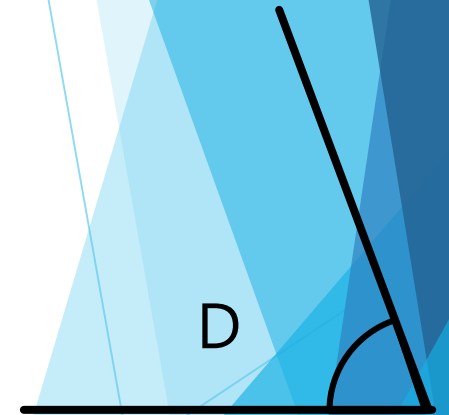
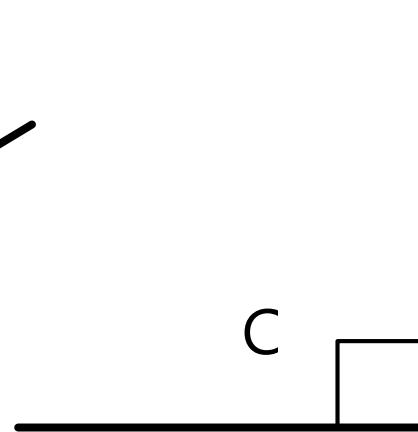
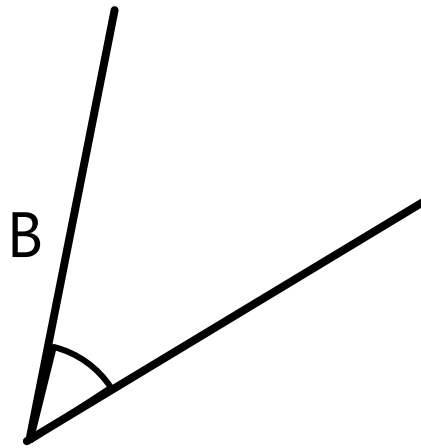
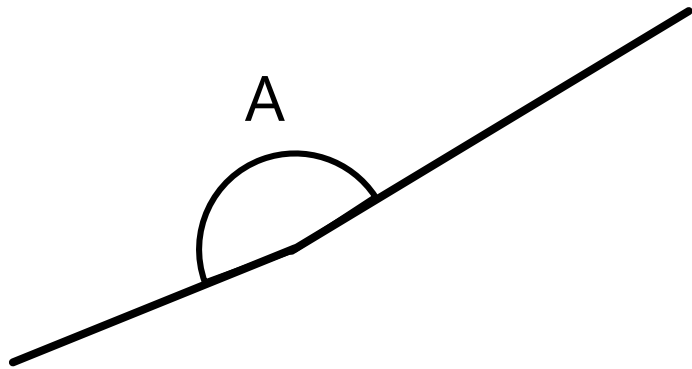
## TALKING TIME

Write the angles' letters in descending order.



## TALKING TIME

Write the angles' letters in descending order.

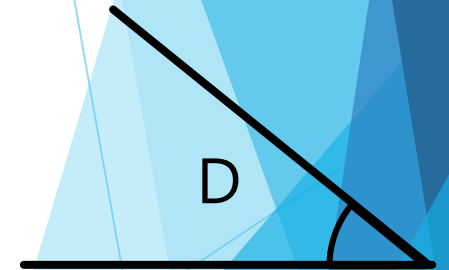
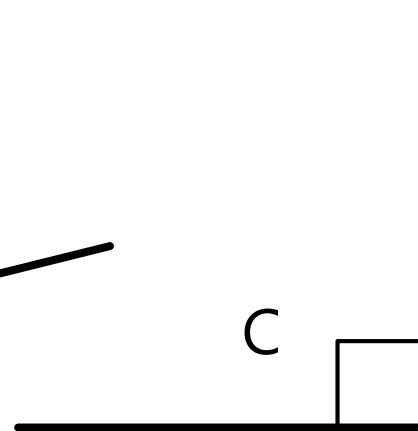
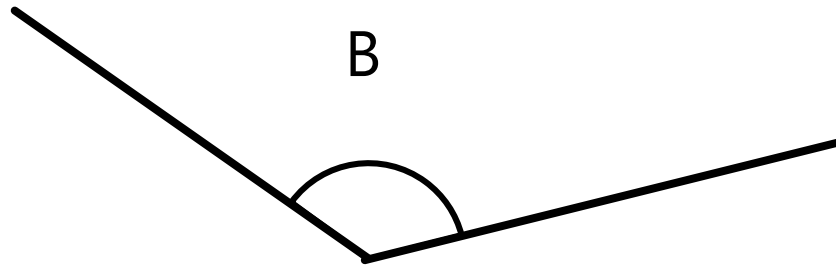
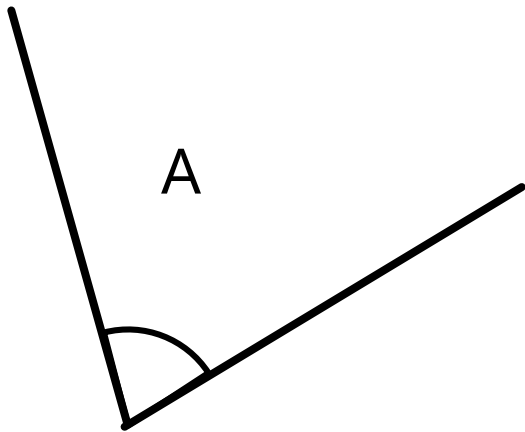


In descending order: Angle A, Angle C, Angle D, Angle B.

## ACTIVITY 4

Create your own problem.

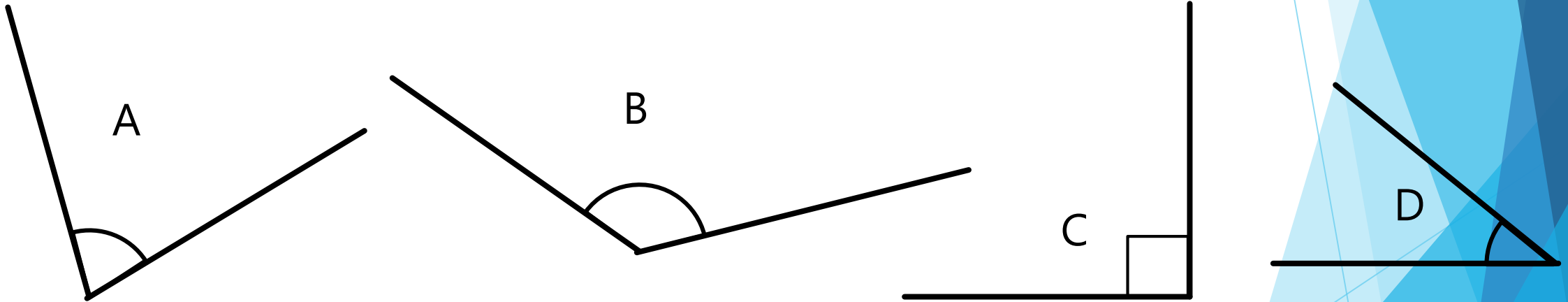
Write the angles' letters in ascending order.





## ACTIVITY 4

Write the angles' letters in ascending order.



In ascending order: Angle D, Angle A, Angle C, Angle B.

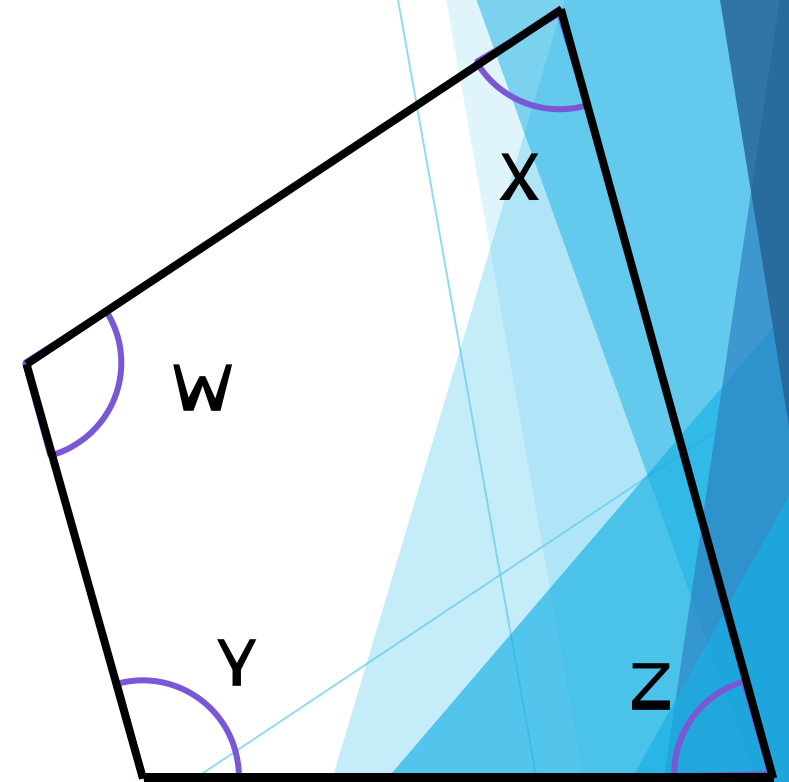
## ACTIVITY 5

Look at the irregular quadrilateral.  
Complete the sentences below.

Angle \_\_ and Angle \_\_ are acute angles.

Angle \_\_ and Angle \_\_ are obtuse angles.

Create your own problem.

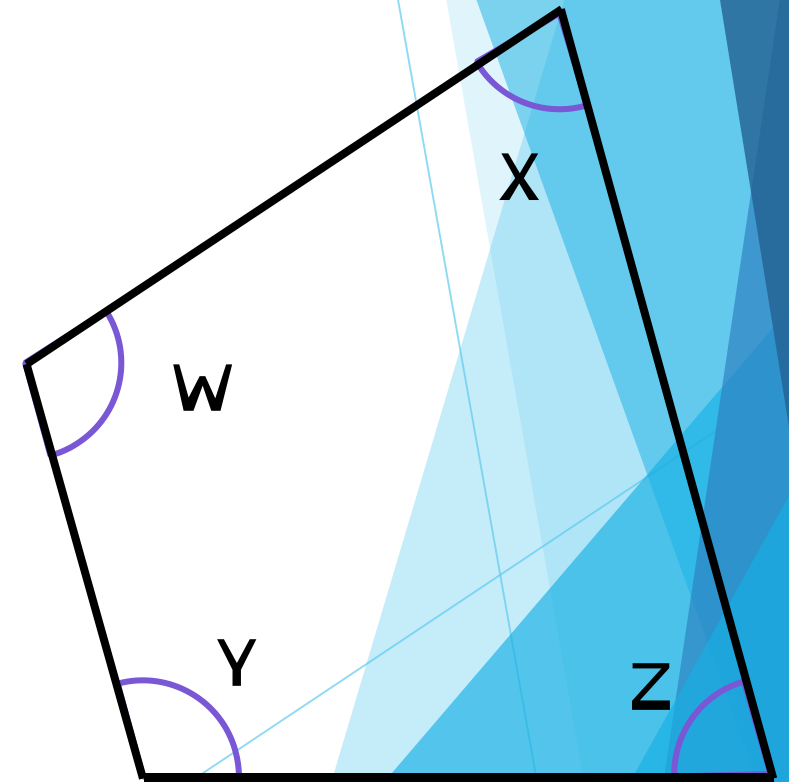


## ACTIVITY 5

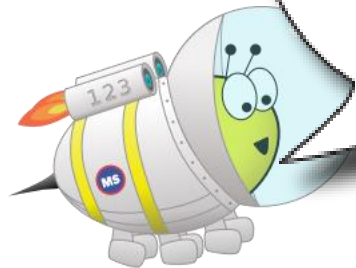
Look at the irregular quadrilateral.  
Complete the sentences below.

Angle X and Angle Z are acute angles.

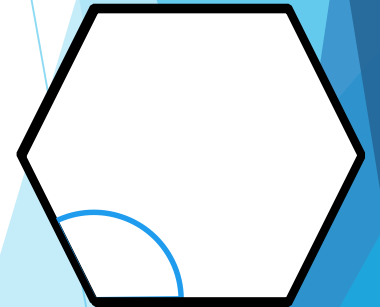
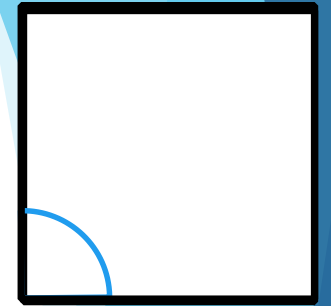
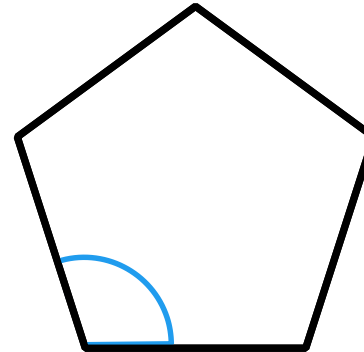
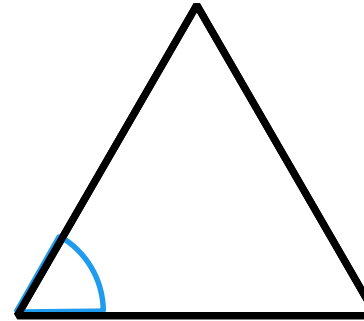
Angle W and Angle Y are obtuse angles.



## EVALUATION



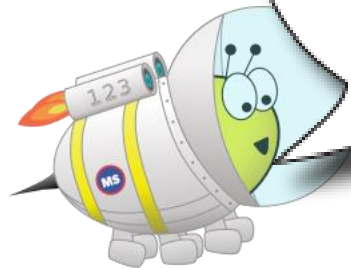
The more sides a regular polygon has the smaller each interior angle is...



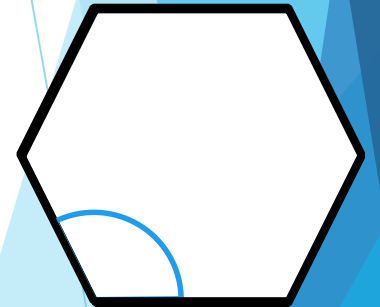
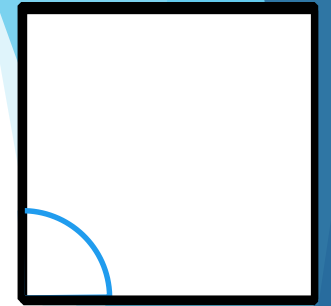
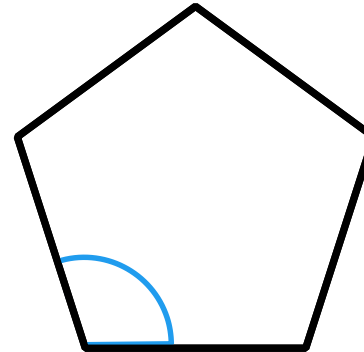
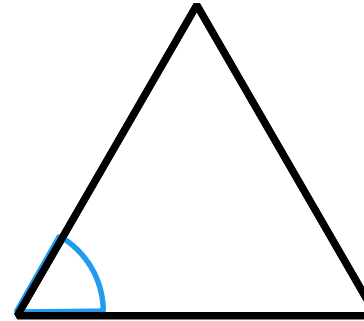
Is Astrobee's statement true or false?

Explain your answer.

## EVALUATION



The more sides a regular polygon has the smaller each interior angle is...



Astrobee's statement is false. The equilateral triangle has the smallest interior angle, then the square, then the pentagon, then the hexagon. The opposite is true!