

Properties of polygons

1)

Describe this polygon

It has 7 sides.

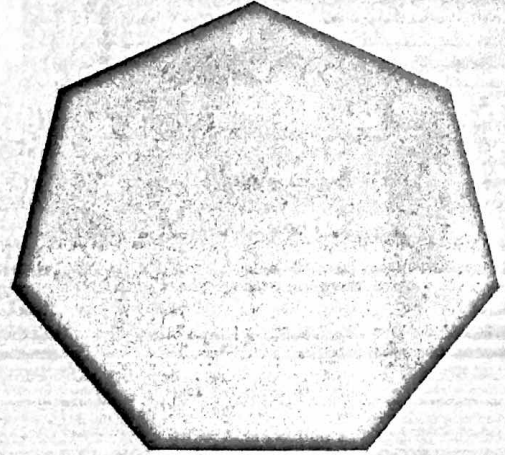
It has 7 vertices.

It has 7 angles.

It has 0 right angles.

It has 7 obtuse angles.

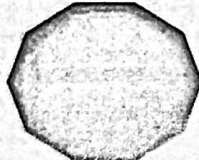
It has 0 acute angles.



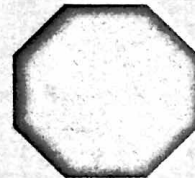
What is the name of this polygon? Heptagon or Regular heptagon

2)

Will has been ordering polygons in descending order of number of angles. He has used both diagrams and words to order the polygons below.



Hexagon

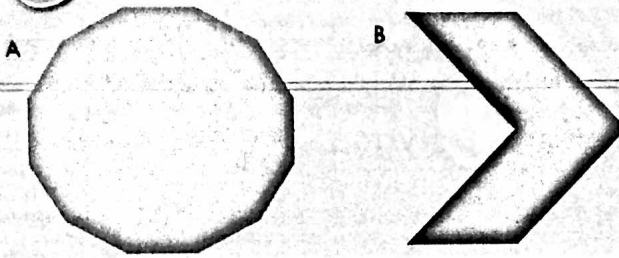


His friend Elsie however thinks that Will has made one mistake.

Do you agree with Elsie? Explain your answer.

Yes, I agree with Elsie. He has named the nine-sided shape as a hexagon, which actually has only six sides. A nine-sided shape is called a nonagon.

3)



Here are two shapes, named A and B. In the table below, put a tick or a cross in each box to show whether the statement (property) for each shape is correct or incorrect.

Statement (property)	Shape A	Shape B
I am a polygon.	✓	✓
I have an even number of sides.	✓	✓
I have 6 vertices.	✗	✓
I have only obtuse angles.	✓	✗
I have parallel lines.	✓	✓
I am irregular.	✗	✓
I am an undecagon.	✗	✗