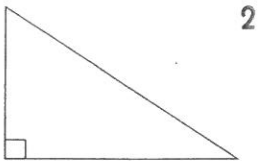
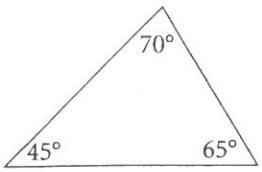
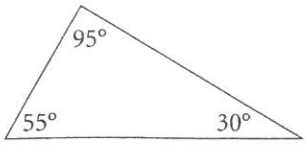
①

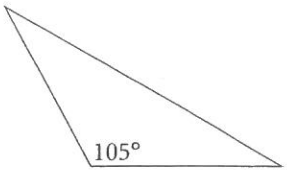
Name:

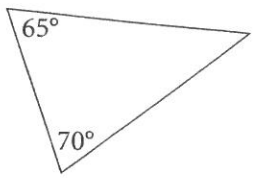
A What type of triangle is each of the following? Classify using the types of angles.

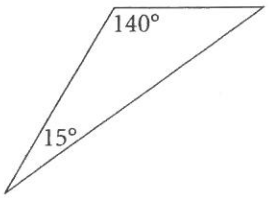
1 

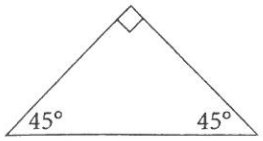
2 

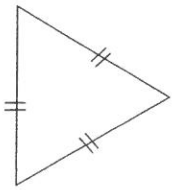
3 

4 

5 

6 

7 

8 

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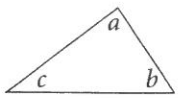
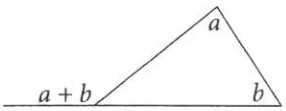
B

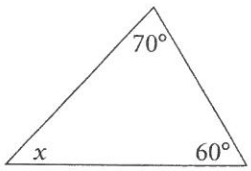
The sum of the angles in any triangle is 180°.
$a + b + c = 180°$

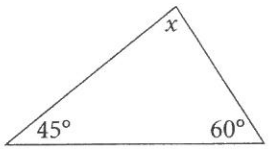


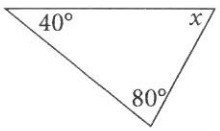
An exterior angle is equal to the sum of the two remote interior angles.

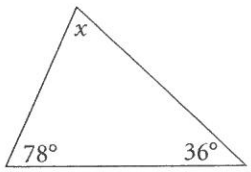


Find the size of the angle marked x in each diagram.

1 

2 

3 

4 

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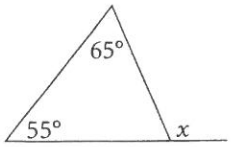
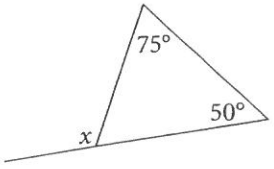
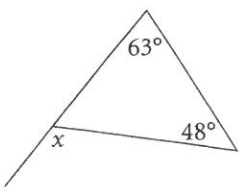
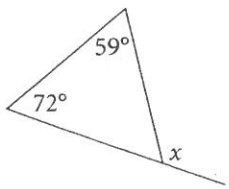
9 

10 

11 

12 

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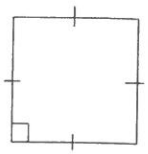
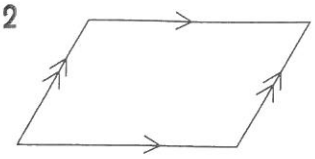
(2) **A**

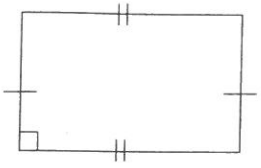
Quadrilaterals are plane figures bounded by four straight sides. They are classified according to their properties, particularly the number of pairs of parallel sides and equal sides.

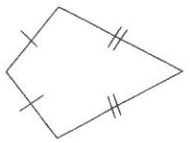
Types of quadrilaterals: parallelogram, rectangle, square, rhombus, trapezium, kite

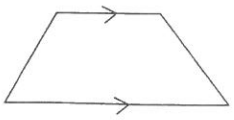
State the type of quadrilateral in each diagram.

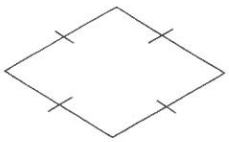
1 

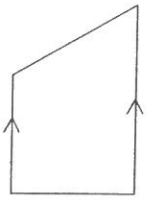
2 

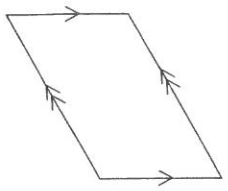
3 

4 

5 

6 

7 

8 

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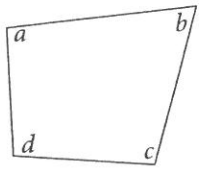
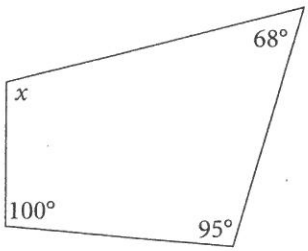
C

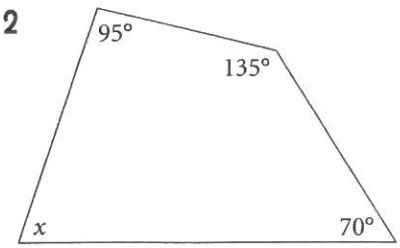
The four angles of any quadrilateral add to 360°.

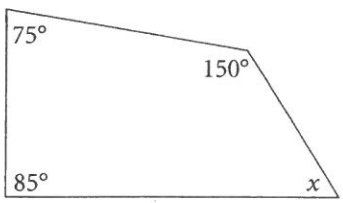
$a + b + c + d = 360°$



Find the size of the angle marked x in each diagram.

1 

2 

3 

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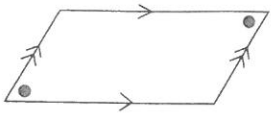
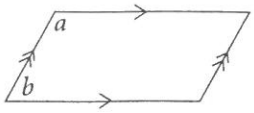
(3) B

Angle properties of a parallelogram:

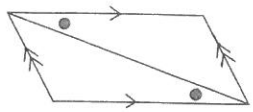
- Opposite angles are equal.



- Co-interior angles add to give 180°. $a + b = 180°$



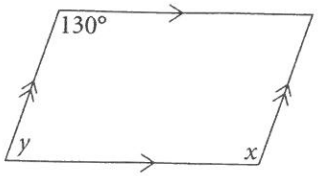
- Alternate angles formed by a diagonal are the same size.



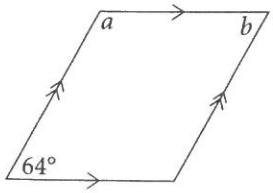
- The four angles add to 360°.

Find the size of each angle marked with a pronumeral.

1



2



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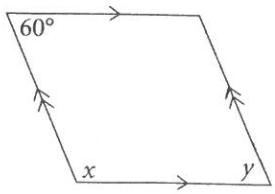

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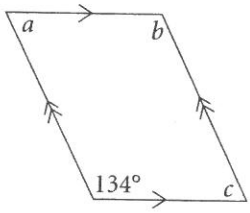

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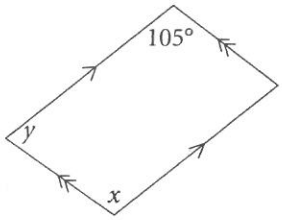

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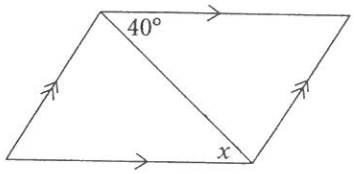

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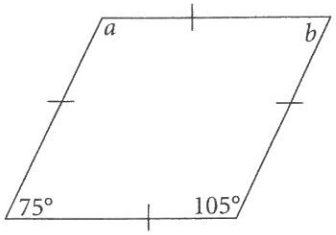
Properties of a Rhombus:

Find the size of each angle marked with a pronumeral in the following diagrams.

1



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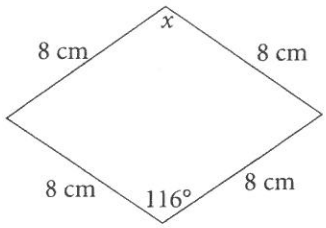

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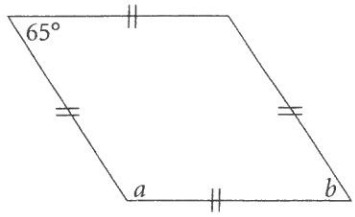

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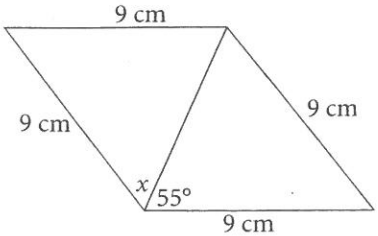

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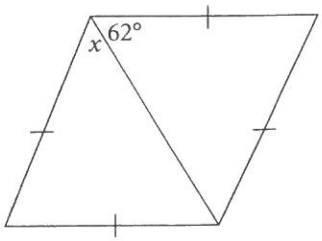

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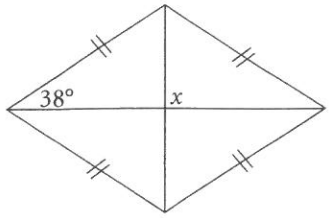

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