

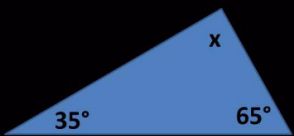


# New Maths GCSE: G3 - Angles in Triangles

Name:.....

Date:.....

Calculate the size of the missing angle



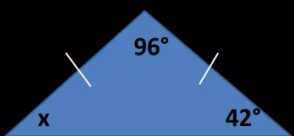
a)  $260^\circ$       b)  $80^\circ$   
c)  $90^\circ$       d)  $180^\circ$

Correct Answer: A B C D

Explanation:

.....  
.....  
.....  
.....  
.....

Calculate the size of the missing angle



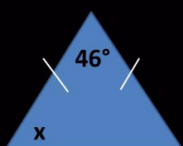
a)  $96^\circ$       b)  $42^\circ$   
c)  $222^\circ$       d)  $84^\circ$

Correct Answer: A B C D

Explanation:

.....  
.....  
.....  
.....  
.....

Calculate the size of the missing angle



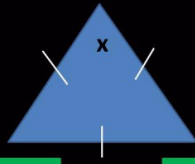
a)  $46^\circ$       b)  $180^\circ$   
c)  $134^\circ$       d)  $67^\circ$

Correct Answer: A B C D

Explanation:

.....  
.....  
.....  
.....  
.....

Calculate the size of the missing angle



a)  $360^\circ$

b)  $180^\circ$

c)  $60^\circ$

d)  $45^\circ$

Correct Answer: A B C D

Explanation:

.....

.....

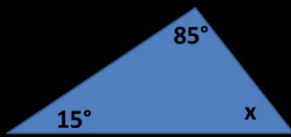
.....

.....

.....

.....

Calculate the size of the missing angle



a)  $15^\circ$

b)  $80^\circ$

c)  $85^\circ$

d)  $70^\circ$

Correct Answer: A B C D

Explanation:

.....

.....

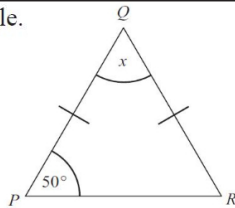
.....

.....

.....

.....

$PQR$  is an isosceles triangle.  
 $QP = QR$   
 Angle  $P = 50^\circ$



What is the size of the angle marked  $x$ ?

- |            |            |            |            |
|------------|------------|------------|------------|
| $70^\circ$ | $60^\circ$ | $80^\circ$ | $50^\circ$ |
| <b>A</b>   | <b>B</b>   | <b>C</b>   | <b>D</b>   |

Correct Answer: A B C D

Explanation:

.....

.....

.....

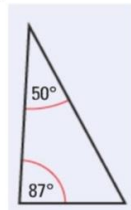
.....

.....

.....

Calculate the missing angle...

- A)  $45^\circ$
- B)  $43^\circ$
- C)  $137^\circ$
- D)  $53^\circ$



Correct Answer: A B C D

Explanation:

.....

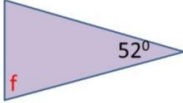
.....

.....

.....

.....

.....



The shape above is an isosceles triangle  
What is the size of the angle marked  $f$ ?

A)  $52^\circ$       B)  $128^\circ$   
C)  $64^\circ$       D) Not enough information

Correct Answer: A B C D

Explanation:

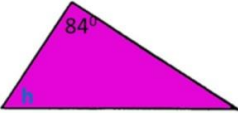
.....

.....

.....

.....

.....



The shape above is a scalene triangle  
What is the size of the angle marked  $h$ ?

A)  $96^\circ$       B)  $48^\circ$   
C)  $84^\circ$       D) Not enough information

Correct Answer: A B C D

Explanation:

.....


.....

.....

.....

.....

Calculate angle  $x$



a)  $45^\circ$       b)  $35^\circ$   
c)  $85^\circ$       d)  $50^\circ$

Correct Answer: A B C D

Explanation:

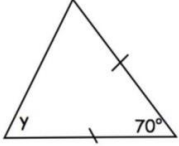
.....

.....

.....

.....

.....



Find angle  $y$

a)  $70^\circ$       c)  $110^\circ$   
b)  $40^\circ$       d)  $55^\circ$

Correct Answer: A B C D

Explanation:

.....

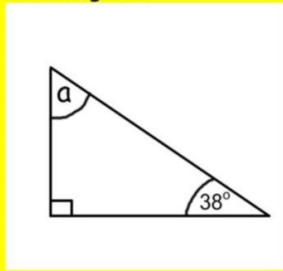
.....

.....

.....

.....

Find angle a



- 1)  $a = 142^\circ$
- 2)  $a = 62^\circ$
- 3)  $a = 128^\circ$
- 4)  $a = 52^\circ$

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....