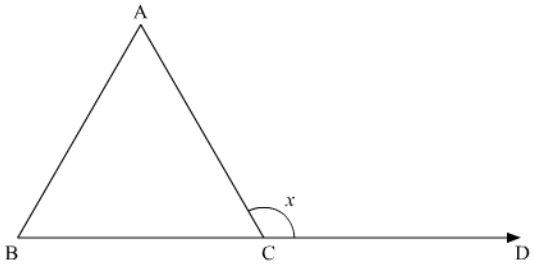
Thus, if one angle of a triangle is obtuse, then it cannot be a right angled triangle.

Therefore, the given statement is $\boxed{\text{true}}$.

(ix) An exterior angle of a triangle is less than either of its interior opposite angles

According to the exterior angle property, an exterior angle of a triangle is equal to the sum of the two opposite interior angles.



In ΔABC

Let x be the exterior angle

So,

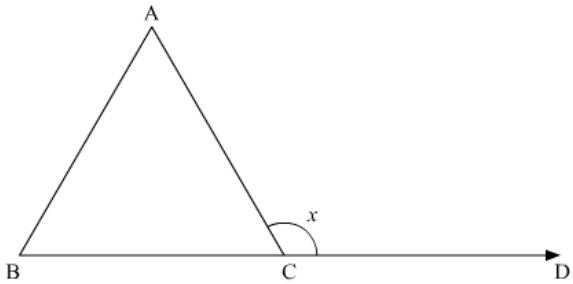
$x = \angle CAB + \angle CBA$

Now, if x is less than either of its interior opposite angles

$x < \angle CAB + \angle CBA$

Therefore, the given statement is $\boxed{\text{false}}$.

(x) An exterior angle of a triangle is equal to the sum of the two interior opposite angles.

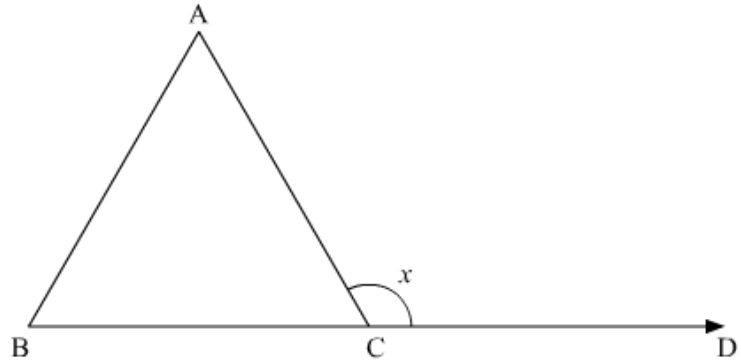


According to exterior angle theorem,

$ext.x = \angle CAB + \angle CBA$

Therefore, the given statement is $\boxed{\text{true}}$.

(xi) An exterior angle of a triangle is greater than the opposite interior angles.



According to exterior angle theorem,

$ext.x = \angle CAB + \angle CBA$

Since, the exterior angle is the sum of its interior angles.

Thus,

$ext.x > \angle CAB$

$ext.x > \angle CBA$

Therefore, the given statement is $\boxed{\text{true}}$.

Answer :

(i) Sum of the angles of a triangle is **180°**.
As we know, that according to the angle sum property, sum of all the angles of a triangle is 180°.
(ii) An exterior angle of a triangle is equal to the two **interior** opposite angles.
(iii) An exterior angle of a triangle is always **greater** than either of the interior opposite angles.
As according to the property: An exterior angle of a triangle is equal to the sum of two interior opposite angles. Therefore, it has to be greater than either of them.
(iv) A triangle cannot have more than **one** right angle.
As the sum of all the angles of a triangle is 180°. So, if the triangle has more than one right angle the sum would exceed 180 °.
(v) A triangle cannot have more than **one** obtuse angle
As the sum of all the angles of a triangle is 180°. So, if the triangle has more than one obtuse angle the sum would exceed 180 °.

********** END **********