

IEC

مدارس الكلية العلمية الإسلامية
Islamic Educational College
Jubeiha - Jabal Amman



Unit: Geometry

Lesson: Types of Triangle

Grade: Ten



SUBJECT: Math

GRADE: 10

UNIT: 2

Lesson: 2

Objectives:

- Calculate the sum of angles of a triangle.**

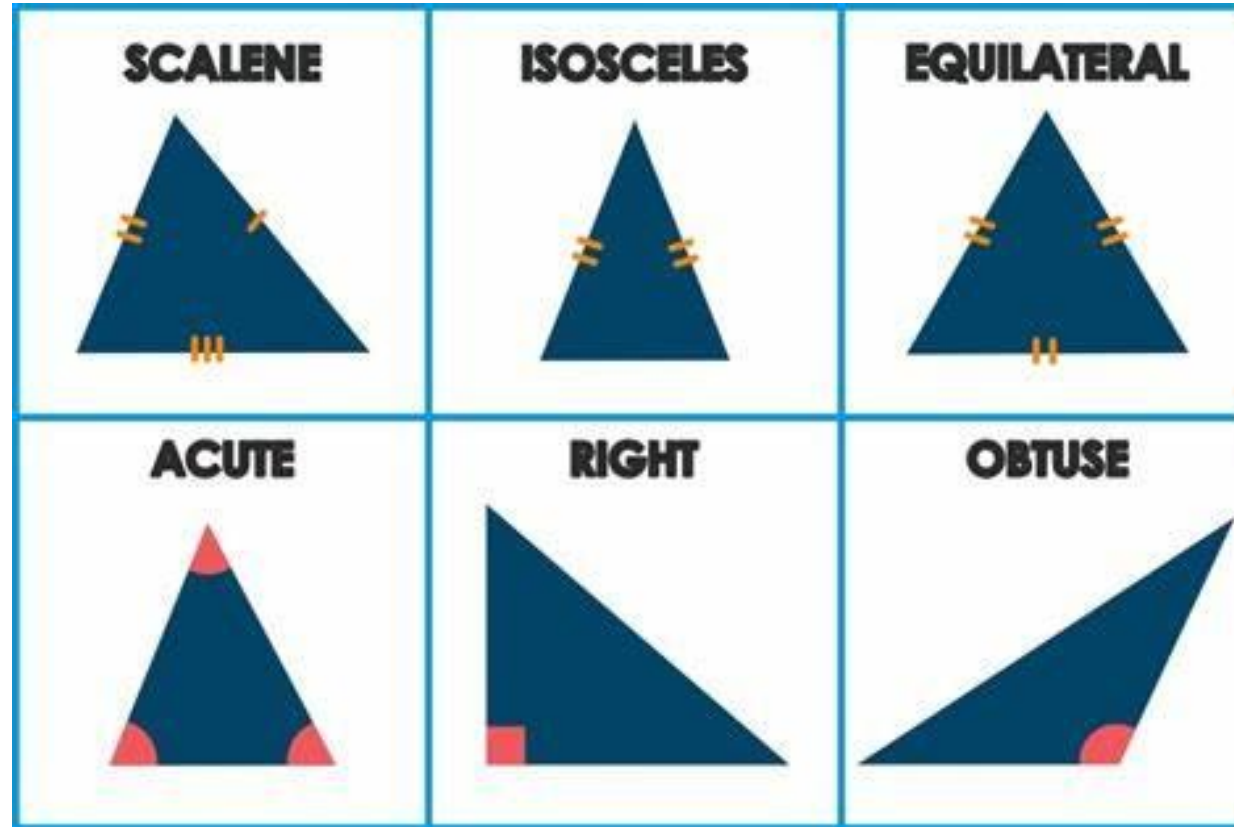


SUBJECT: Math

GRADE: 10

UNIT: 2

Lesson: 2





SUBJECT: Math

GRADE: 6

UNIT: 3

Lesson: 1

What is an angle?





SUBJECT: Math

GRADE: 6

UNIT: 3

Lesson: 1

What is an angle?

An angle is a figure formed by two rays that have the same endpoint.



SUBJECT: Math

GRADE: 6

UNIT: 3

Lesson: 1

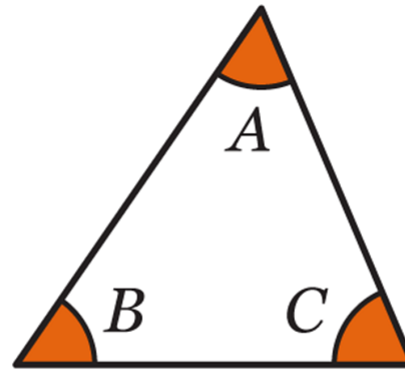
Obtuse

Right

Reflex

Acute

Straight

**Interior angles in a triangle**

$$A + B + C = 180^\circ$$

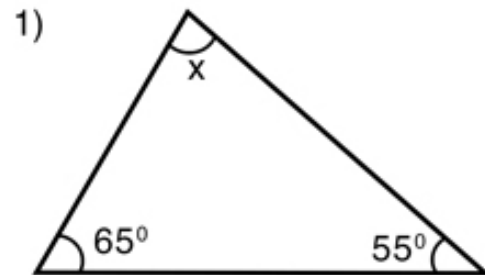
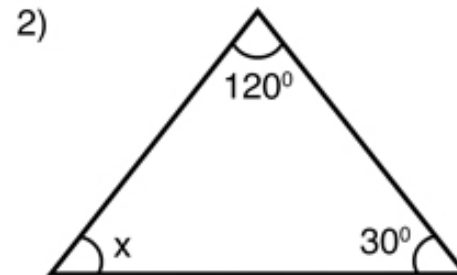
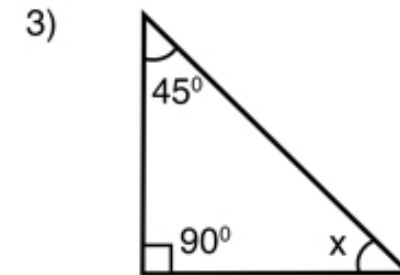


SUBJECT: Math

GRADE: 10

UNIT: 2

Lesson: 2

 $x = \text{-----}$  $x = \text{-----}$  $x = \text{-----}$ 

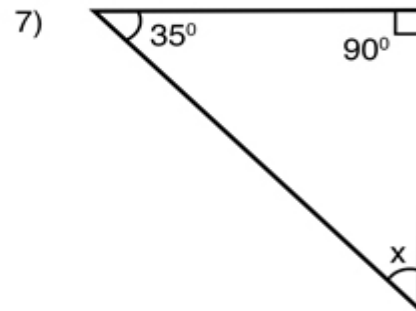
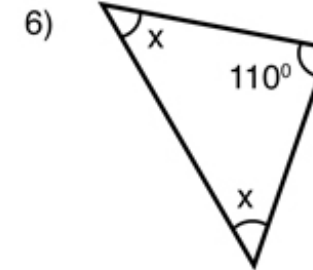
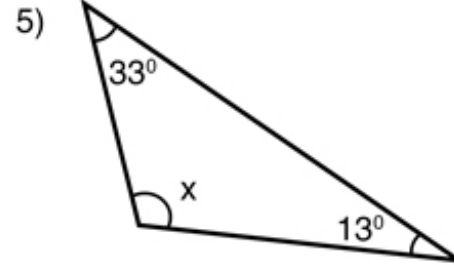
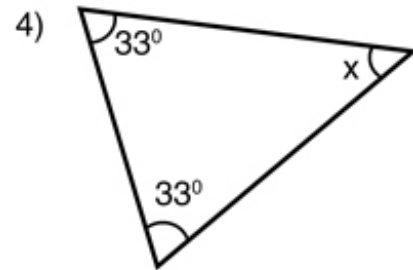


SUBJECT: Math

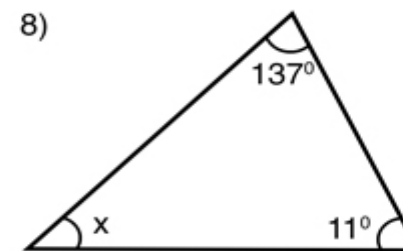
GRADE: 10

UNIT: 2

Lesson: 2



$x =$ _____



$x =$ _____





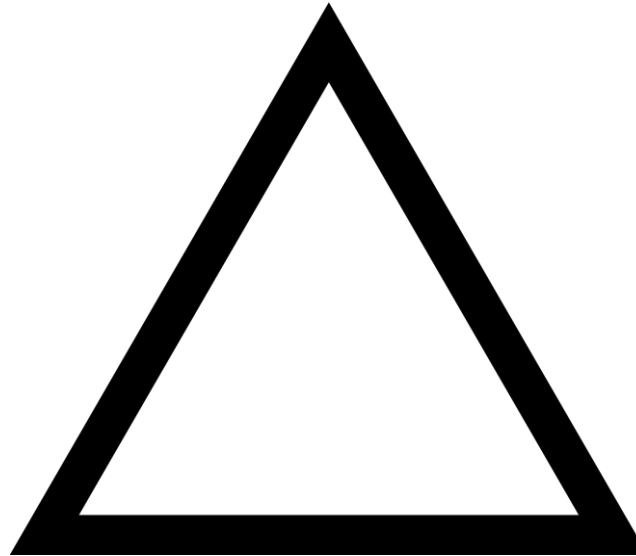
SUBJECT: Math

GRADE: 10

UNIT: 2

Lesson: 2

A triangle has angles in the ratio 2:3:4.
Find the measure of each angle.





SUBJECT: Math

GRADE: 10

UNIT: 2

Lesson: 2

1

In a triangle, two angles measure **55°** and **75°** .

2

The three angles of a triangle are **x** , **$x + 20^\circ$** , and **40°** .
Find the value of **x** .

3

In a triangle, one angle is **three times** another angle, and the third angle is **20° more** than the smallest angle.
Find the angles.

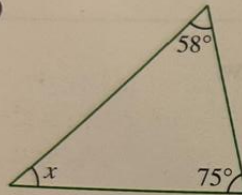
4

A triangle has angles **$3x + 10^\circ$** , **$x - 5^\circ$** , and **$2x$** .
Find all the angles.

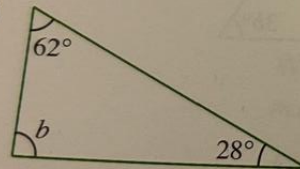
**Exercise 6C**

1. Find the value of the unknown angle(s) marked in each of the following figures. The figures shown are not drawn to scale.

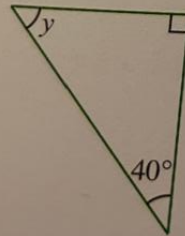
(a)



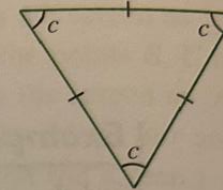
(b)



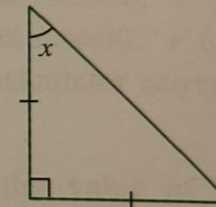
(c)



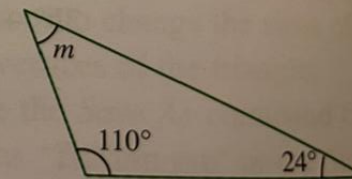
(d)



(e)

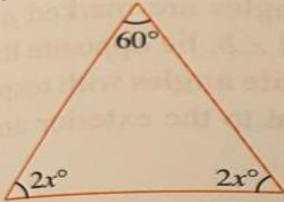


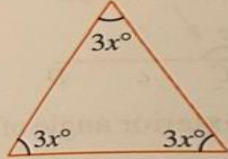
(f)







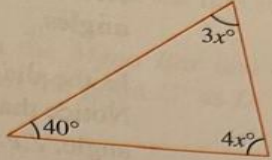
2. Find the value of x in each of the following figures. The figures shown are not drawn to scale.

(a) 

(b) 

(c) 

(d) 

(e) 

3. PQR is an isosceles triangle in which $PQ = PR$ and $\angle QPR = 48^\circ$. PS is parallel to QR and TPR is a straight line. Calculate

(a) $\angle QRP$,
(b) $\angle TPS$.

