UNIT 8: SHAPES

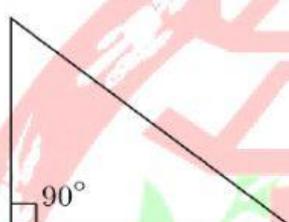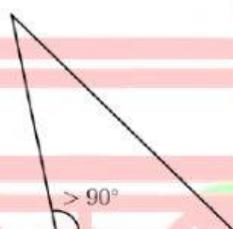## Lesson 3: Triangles (2)

I. Revision

Types of triangles based on angles.
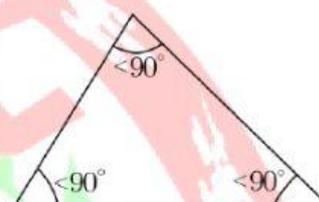

Right triangle

(a right angle)

Obtuse triangle
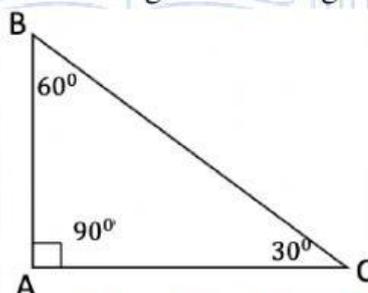
(1 obtuse angle and 2 acute angles)

Acute triangle

(3 acute angles)

II. Basic knowledge

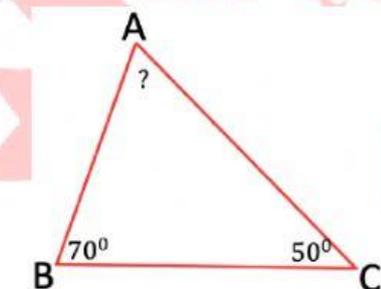- The sum of three angles in a triangle is 180 degrees (180^0)

For example:

in triangle ABC, we have $\hat{A} + \hat{B} + \hat{C} = 90^0 + 60^0 + 30^0 = 180^0$
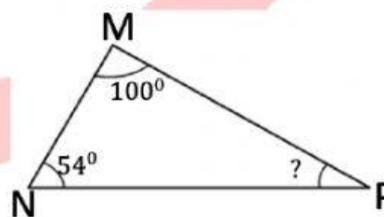
III. Practice

1. Find the angle in each triangle.

a.

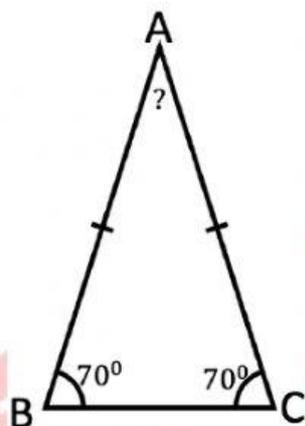$\hat{A} =$ _____

b.

$\hat{P} =$ _____
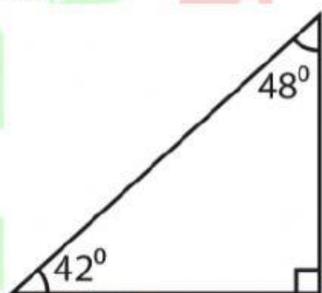
c.

A

?

70⁰ 70⁰

B C

$\hat{A} = $ _____

d.

T

?

R 45⁰

90⁰

S

$\hat{T} = $ _____

2. Identify each type of triangle shown below (**right, acute or obtuse triangle**).

48⁰

42⁰

_____ *right triangle* _____

43⁰

104⁰

33⁰

_____

78⁰ 38⁰

64⁰

_____

40⁰

50⁰

_____

38⁰

55⁰

87⁰

_____

25⁰

65⁰

_____