



Pythagorean Inequality Theorem

Name _____

Score _____

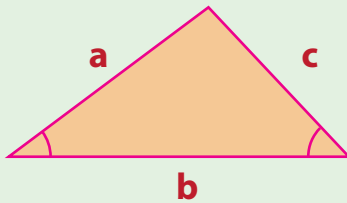
Answer key

TI:01

**A
C
U
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E**

The three sides forms an acute triangle if it is satisfies that

$$a^2 + b^2 > c^2$$

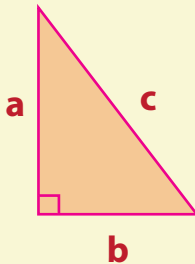


$a^2 + b^2 > c^2$ is an acute triangle.

**R
I
G
H
T**

The three sides forms a right angled triangle if it is satisfies that

$$a^2 + b^2 = c^2$$

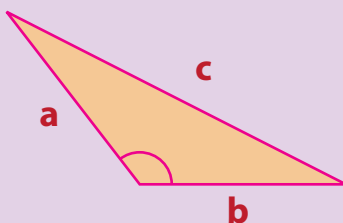


$a^2 + b^2 = c^2$ is an right angled triangle.

**O
B
T
U
S
E**

The three sides forms an obtuse triangle if it is satisfies that

$$a^2 + b^2 < c^2$$



$a^2 + b^2 < c^2$ is an obtuse triangle.