Special Angles related to the Interior of any Triangle in Geometry!

D
F
E
A
G   B   C   K
H   I   J   L
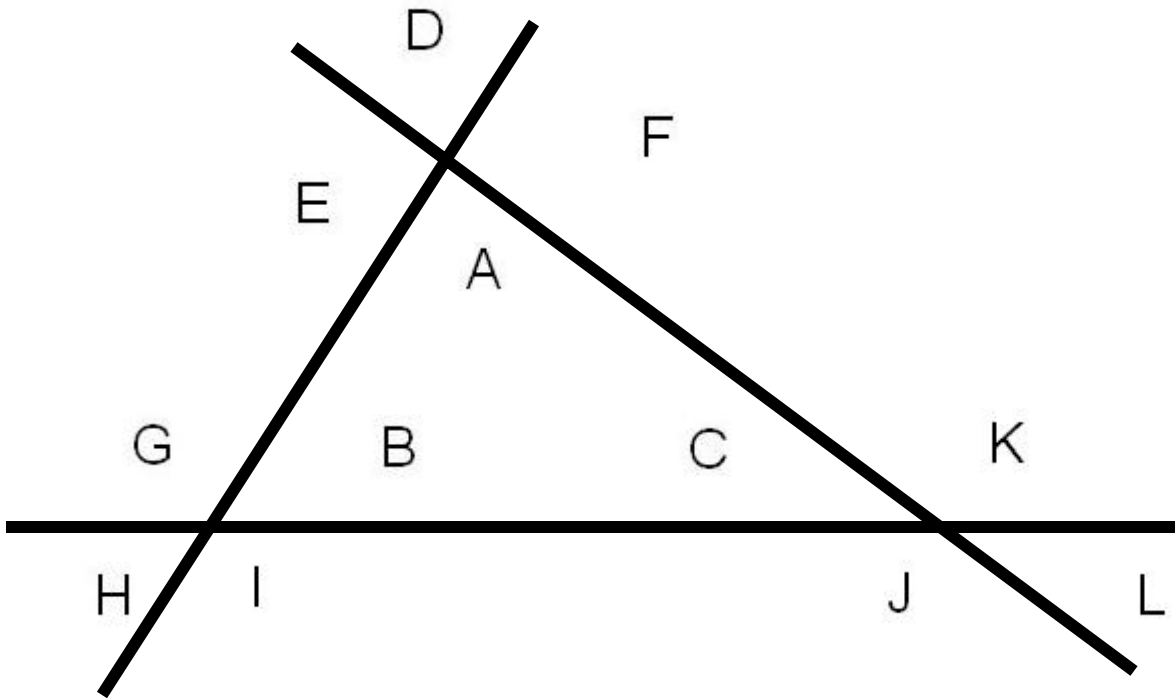
The Sum of the Interior Angles of any Triangle is 180 Degrees.
Thus the <u>Sum of the Interior Angles</u> /_ A + /_B + /_C = 180 ^{0}

How could you prove (Convince someone!) the above statement is true?

Maybe a good way to do it is to measure the Angles /_ A , /_B , /_C !

> **Measure Angle A!   What did you get? _____**

> **Measure Angle A!   What did you get? _____**

> **Measure Angle A!   What did you get? _____**

What do you get when you add Angles A,B,C together? _____

Can you reach a general conclusion by this Interior Angle investigation?
Is it true for All Triangles? How can you prove this last statement?
What type of <u>reasoning</u> did you use for this conclusion? <u>Deductive</u> or <u>Inductive</u>?

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