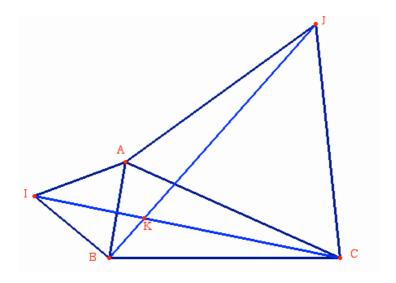
| 北京景山学校 Name:                | Grade : /100                                   |
|-----------------------------|--|
| jiguanglaoshi@gmail.com     | Mathematics - Geometry ++ Junior 8             |
| http://beijingshanmaths.org | Assignment # $4 \Rightarrow$ Nov. $18 - p.1/2$ |

Problem I : On the sides of an ordinary triangle ABC we build the two equilateral triangles ABI and ACJ.

Draw the segments [IC] and [BJ].

Prove carefully *in verbal English* that the two segments IC and BJ have the same length and that the measure of ∠CKJ is 60°



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**Problem II :** Inside the square ABCD build the equilateral triangles ABI and on the side BC build the equilateral triangle CBJ.

Prove carefully *in verbal English* that the three points D,I,J are on the same line.

