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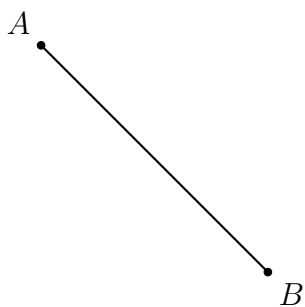30 May 2019

Homework: Construction review

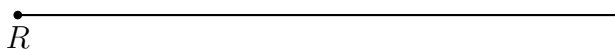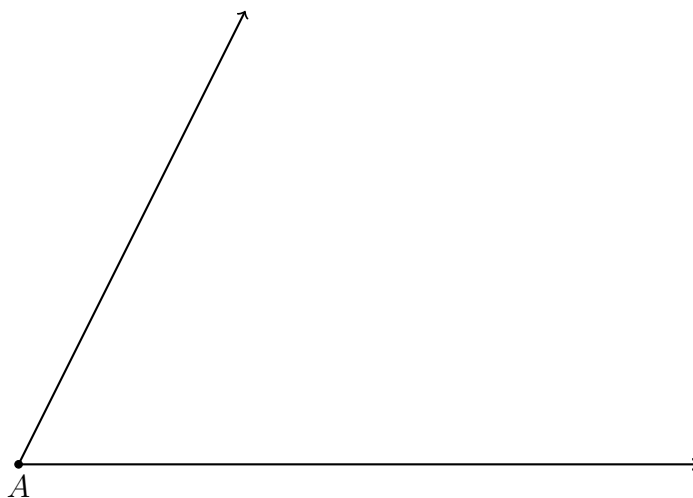Use only a compass and straightedge for these classical constructions.

1. Construct an equilateral triangle having one side on $\overrightarrow{T}$ with each leg congruent to $\overline{AB}$. [Leave all construction marks.]

A

B

T

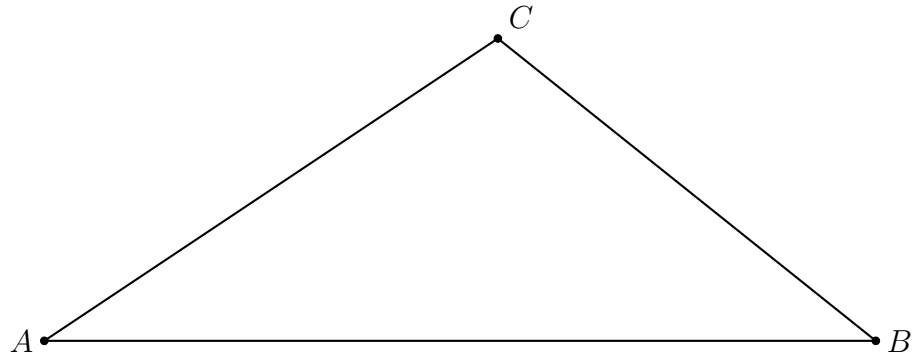BECA / Dr. Huson / 10th Grade Geometry   Name:
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2. Duplicate a given angle.

   Construct an angle with vertex R and one leg the ray $\overrightarrow{R}$, congruent to $\angle A$. Show all construction marks.

   Spicy: List the steps

   A

   R

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3. Construct a perpendicular to $\overline{AB}$ though C.

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4. Spicy: Construct the perpendicular bisectors of the legs of a triangle and, hence, the circumcenter.