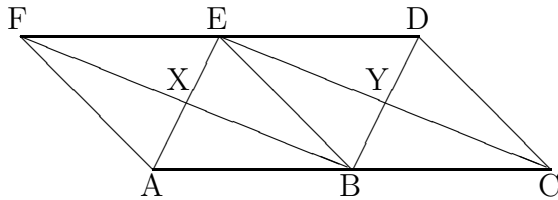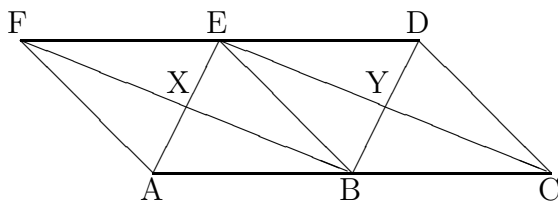Apply the given information to each diagram to find a pair of congruent triangles. For each:

- Use correct notation to tell which two triangles they are.

- Specify the acronym that guarantees their congruence.

- Thoroughly explain how you arrived at your conclusion.

1. Assume *nothing* except that $\overline{FB} \cong \overline{EC}$ and that $\angle FBE \cong \angle BEC$.

2. Assume *nothing* except that $\overline{AE} \cong \overline{CE} \cong \overline{FB} \cong \overline{DB}$ and that $ACDF$ is a rhombus.

3. Assume *nothing* except that $\angle AXF \cong \angle DYC$, $\overline{BE}$ bisects $\angle AEC$, and $\overline{EX} \cong \overline{EY}$.