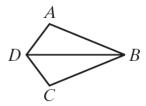
Name: _____

Congruent Triangles

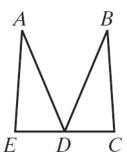
1) Given: \overline{DB} bisects $\angle ADC$ and \overline{BD} bisects $\angle ABC$

Prove: □*ABD* ≅□*CBD*



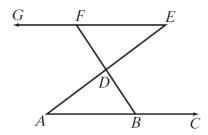
2) Given: $\angle E \cong \angle C$, $\angle EDA \cong \angle CDB$ and D is the midpoint of \overline{EC}

Prove: $\Box DAE \cong \Box DBC$

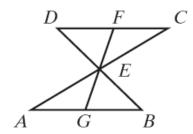


3) Given: $\angle DBC \cong \angle GFD$ and \overline{AE} bisects \overline{FB} at D

Prove: □*DFE* ≅□*DBA*

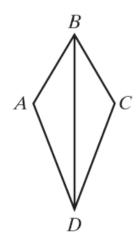


Given: \overline{AEC} and \overline{DEB} bisect each other, \overline{FEG} intersects \overline{AB} at G and \overline{CD} at F. Prove: E is the midpoint of \overline{FEG}



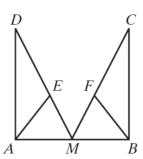
5) Given: $\overline{BC} \cong \overline{BA}$ and \overline{BD} bisects $\angle CBA$.

Prove: \overrightarrow{DB} bisects $\angle CDA$.

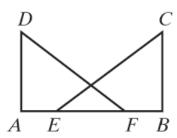


6) Given: $\Box AME \cong \Box BMF$ and $\overline{DE} \cong \overline{CF}$

Prove: $\overline{AD} \cong \overline{BC}$



- 7) Given: \overline{AEFB} , $\overline{AE} \cong \overline{FB}$, $\overline{DA} \cong \overline{CB}$, and $\angle A$ and $\angle B$ are right angles. Prove:
 - 1) □*DAF* ≅□*CBE*
 - 2) $\overline{DF} \cong \overline{CE}$



8) Given: \overline{ABCD} , $\angle BAE \cong \angle CBF$, $\angle BCE \cong \angle CDF$, $\overline{AB} \cong \overline{CD}$

Prove: $\overline{AE} \cong \overline{BF}$ and $\angle E \cong \angle F$

