Section 4.2, 4.3	Name: Notes
Triangle Congruence	Date: Period:
Essential Question	What information must I know to prove two triangles are congruent? (1) $\leq \leq 5$ (2) $A A - \leq$
	(b) SAS
r.	(3) ASA (SSA-ON AAA)
Side-Side-Side	If three sides of one triangle are congruent to the three sides of another triangle, then the two triangles are congruent.
555	Picture:
	$\overline{AB} \stackrel{\sim}{=} \overline{DE}$ $\overline{BC} \stackrel{\sim}{=} \overline{EF}$ $\overline{CA} \stackrel{\sim}{=} \overline{FD}$ \overline{DE} $\overline{ABC} \stackrel{\sim}{=} \overline{DE}$
Side-Angle-Side	If two sides and the included angle of one triangle are congruent to two sides and the included angle of another triangle, then the two triangles are congruent.
SAS	Picture: B
Included means adjacent or touching	E T
adjacent or touching	A
	$ \begin{array}{cccc} CA &\cong & FD \\ &\swarrow & \swarrow & & \triangle & $
Angle-Side-Angle	If two angles and the included side of one triangle are congruent to two angles and the included side of another triangle, then the two triangles are congruent.
AS A	Picture: B
	A A
	ZA = ZD AB = DE ABC = DEF
	AB = DE DE ABC = DET





