Geometry – Unit 5 Practice
Triangle Congruence Proofs
G.CO.B.8, G.SRT.B.5

Name: _____!

Date: _____ Pd: ____

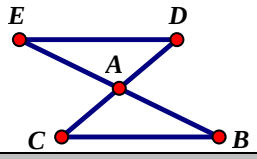
Prove the following relationships.

1) GIVEN:

$\angle B \cong \angle E$ & $\overline{CB} \cong \overline{DE}$

PROVE:

$\Delta EAD \cong \Delta BAC$



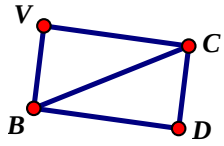
STATEMENTS	REASONS

2) GIVEN:

$\overline{VC} \cong \overline{DB}$ & $\overline{VB} \cong \overline{DC}$

PROVE:

$\Delta BVC \cong \Delta CDB$



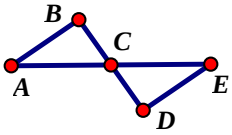
STATEMENTS	REASONS

3) GIVEN:

$\angle B \cong \angle D$ & $\overline{BC} \cong \overline{DC}$

PROVE:

$\Delta ACB \cong \Delta ECD$



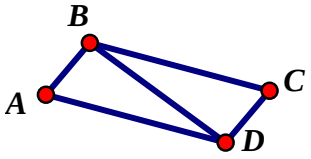
STATEMENTS	REASONS

4) GIVEN:

$\overline{AD} \cong \overline{CB}$ & $\overline{AB} \cong \overline{CD}$

PROVE:

$\Delta ABD \cong \Delta CDB$



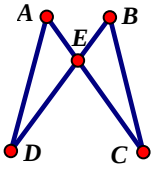
STATEMENTS	REASONS

5) GIVEN:

$\overline{AE} \cong \overline{BE}$ & $\overline{DE} \cong \overline{CE}$

PROVE:

$\Delta AED \cong \Delta BEC$



STATEMENTS	REASONS

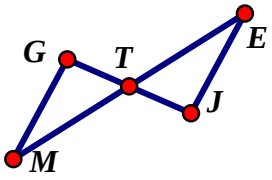
6) GIVEN:

T is the midpoint of $\overline{ME}$

& *T* is the midpoint of $\overline{GJ}$

PROVE:

$\Delta MGT \cong \Delta EJT$



STATEMENTS	REASONS