

Answer Key for Practice Worksheet 4-1

$$1) \overline{BI} \cong \overline{CA} \quad \overline{IG} \cong \overline{AT} \quad \overline{BG} \cong \overline{CT}$$

$$2) \angle B \cong \angle C \quad \angle I \cong \angle A \quad \angle G \cong \angle T$$

$$3) \triangle GIB \cong \triangle TAC \text{ or } \triangle BGI \cong \triangle CTA \text{ or } \triangle IBG \cong \triangle ACT$$

$$4) m\angle F = m\angle E = m\angle T = m\angle S$$

$$5) \angle L \cong \angle F \quad \angle X \cong \angle N \quad \angle R \cong \angle E$$

$$\overline{LX} \cong \overline{FN} \quad \overline{XR} \cong \overline{NE} \quad \overline{LR} \cong \overline{FE}$$

$$6) \triangle RLA \quad 7) \overline{LR} \quad 8) \angle 3; \overline{LR}; \text{ AI } \angle \text{'s are congruent}$$

$$9) \angle 4; \text{ CPCTC}; \overline{LP} \parallel \overline{RA}; \text{ AI } \angle \text{'s are congruent}$$

$$10) C(7, 2) \quad 11) F(2, 5) \text{ or } (6, 1)$$