

Geometry Unit 6.4b Worksheet Answers

1. Yes – AAS
2. NO – N/A
3. YES – ASA
4. No – Answers may vary
5. YES – SAS
6. NO – Answers may vary
7. $\angle F \cong \angle L$
8. $\angle F \cong \angle L$
9. $\overline{GH} \cong \overline{MN}$
10. Answers may vary
- 11.

(1) \overline{XU} and \overline{WT} bisect each other	(1) Given
(2) $\overline{XY} \cong \overline{UY}$; $\overline{WY} \cong \overline{TY}$	(2) Definition of bisectors
(3) $\angle XYW \cong \angle UYT$	(3) Vertical Angles
(4) $\triangle XYW \cong \triangle UYT$	(4) SAS
(5) $\overline{WX} \cong \overline{TU}$	(5) If 2 triangles are congruent, their corresponding parts are congruent

12.

(1) $\angle TSU \cong \angle STR$, $\overline{RS} \parallel \overline{TU}$	(1) Given
(2) $\angle RST \cong \angle UTS$	(2) Alternate Interior Angles are congruent
(3) $\overline{TS} \cong \overline{TS}$	(3) Reflexive Property of Equality
(4) $\triangle TSU \cong \triangle STR$	(4) ASA