

Ch. 4 Geometry Review Test B Answers

Test B

1. $\triangle ACD$ 2. $\triangle ABC, \triangle ACD$ 3. $\triangle ABD$
4. $\triangle ACD$ 5. $\triangle ABD$ 6. $\triangle BAC$ 7. yes; HL
Theorem 8. AAS 9. yes; SAS 10. yes; ASA
11. no 12. yes; SSS 13. 9 14. 30 15. 125
16. 22.5 17. 19 18. 60

19. Statements (3) $\overline{RS} \cong \overline{TV}; \overline{RU} \cong \overline{TU}$

Reasons (1) Given (2) Definition of \perp lines

(3) Given (4) HL Theorem

20. Statements	Reasons
1. $\overline{AC} \cong \overline{AD}$	1. Given
2. $\overline{BC} \cong \overline{BD}$	2. Given
3. $\overline{AB} \cong \overline{AB}$	3. Reflexive property
4. $\triangle ACB \cong \triangle ADB$	4. SSS Postulate

8) Could be AAS or ASA

10) Could be ASA or AAS

Additional Test Questions:

21) Coordinate Proof

22) Length of a diagonal

23 & 24) Proofs (SSS,SAS,ASA,AAS)