

Triangle Proofs

Complete the following proofs.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

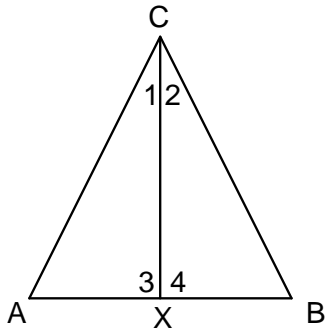
7. _____ \cong _____

9. _____

8. _____

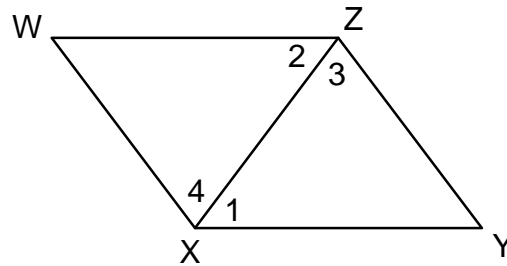
10. _____

For 1 thru 10



Given: $\angle 1 \cong \angle 2$; $\angle 3 \cong \angle 4$
 Prove: $\overline{AC} \cong \overline{BC}$

For 11 thru 20



Given: $\overline{XY} \cong \overline{ZW}$; $\angle 1 \cong \angle 2$
 Prove: $\overline{XW} \cong \overline{ZY}$

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____ \cong _____

19. _____

18. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____

26. _____

27. _____

28. _____

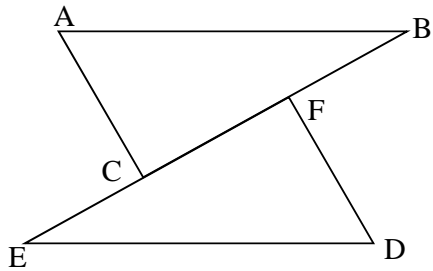
29. _____ \cong _____

30. _____

31. _____

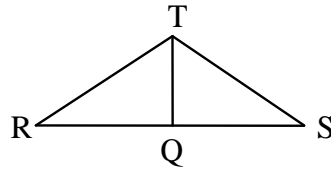
32. _____

For 21 thru 32



Given: $\overline{AB} \cong \overline{DE}$; $\overline{BC} \cong \overline{EF}$, $\overline{AB} \parallel \overline{DE}$
 Prove: $\overline{CA} \cong \overline{FD}$

For 33 thru 44



Given: \overline{TQ} bisects $\angle RTS$; $\angle R \cong \angle S$
 Prove: $\overline{RQ} \cong \overline{QS}$

33. _____

34. _____

35. _____

36. _____

37. _____

38. _____

39. _____

40. _____

41. _____ \cong _____

42. _____

43. _____

44. _____

