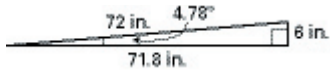


Answer Key

Lesson 7.7

Practice Level B

1. 16.6 2. 65 3. 25 4. $m\angle P = 53^\circ$,
 $PQ \approx 13.2$, $QR \approx 17.6$ 5. $m\angle P \approx 58.6^\circ$,
 $m\angle N \approx 31.4^\circ$, $PN \approx 21.1$ 6. $TU \approx 21.9$,
 $m\angle S = 72.3^\circ$, $m\angle U = 17.7^\circ$ 7. $m\angle V = 39^\circ$, $DM \approx 11.3$, $DV \approx 18.0$ 8. $m\angle T = 66^\circ$,
 $TR \approx 14.7$, $AT \approx 36.1$ 9. $UM \approx 20.6$,
 $m\angle U \approx 42.7^\circ$, $m\angle E \approx 47.3^\circ$ 10. $m\angle C = 64^\circ$, $AB \approx 4.0$, $BC \approx 2.0$ 11. $m\angle V = 70^\circ$,
 $VW \approx 4.1$, $WX \approx 11.3$ 12. $m\angle J = 58.4^\circ$,
 $JL \approx 13.4$, $LK \approx 11.4$ 13. 21.1° 14. 38.7°
15. 15.7° 16. 69.5° 17. 22.8° 18. 83.7°
19. 70.1° 20. 39.6° 21. about 84.02 ft
22. about 499.30 ft 23. about 191.5 in. or about 15 ft 11.5 in.; about 4.2° ; Yes, the angle is less than 4.78° .
24. 
25. about 1039.2 ft 26. about 1648.5 ft
27. about 609.3 ft