

Key HW4 p 601-604 Geo C8.notebook

Key HW4 p 601-604 #16-26even,28-34all, 36-42all, 52, 58 (22) Geo C8

16. $\sin J = 30/34 \approx 0.88$; $\cos J = 16/34 \approx 0.47$; $\tan J = 30/16 \approx 1.88$;

$\sin L = 16/34 \approx 0.47$; $\cos L = 30/34 \approx 0.88$; $\tan L = 16/30 \approx 0.53$.

18. $\sin J = 4/5 \approx 0.8$; $\cos J = 3/5 \approx 0.6$; $\tan J = 4/3 \approx 1.33$;

$\sin L = 3/5 \approx 0.6$; $\cos L = 4/5 \approx 0.8$; $\tan L = 3/4 \approx 0.75$.

20. $\sin J = \frac{2\sqrt{5}}{5} \approx 0.89$; $\cos J = \frac{\sqrt{5}}{5} \approx 0.45$; $\tan J = 2$;

$\sin L = \frac{\sqrt{5}}{5} \approx 0.45$; $\cos L = \frac{2\sqrt{5}}{5} \approx 0.89$; $\tan L = .5$.

22. $\sqrt{3} \approx 1.73$

24. $\sqrt{2} \approx 0.71$

2

26. 1

28. 30.7

29. 28.7

30. 23.2

33. 17.4

37. 61.4°

42. $HF = 17.6$; $GH = 20.8$; $m\angle G = 58^\circ$

31. 57.2

34. about 24 in.

38. 56.4° 39. 28.5°

52. 28.53 cm; 23.46 cm^2

32. 17.7

36. 33.7°

40. 64.6°

58. $x = 37.2$; $y = 33.4$

41. 21.8°