

Practice

Law of Sines

Find the area of each triangle described below. Round answers to the nearest tenth.

1. $a = 9, b = 11, C = 46^\circ$

2. $a = 12, c = 15, B = 58^\circ$

3. $b = 9, c = 9, A = 40^\circ$

4. $a = 12.6, b = 8.9, C = 32^\circ$

5. $a = 14.9, c = 18.6, B = 27^\circ$

6. $b = 19.4, c = 8.6, A = 34^\circ$

7. $a = 9, b = 7, C = 26.1^\circ$

8. $b = 12, c = 19, A = 46.4^\circ$

9. $a = 12, c = 14, B = 56.5^\circ$

10. $b = 12, c = 14, A = 17.4^\circ$

Solve each triangle described below. Round measures of sides and angles to the nearest tenth.

11. $A = 50^\circ, B = 30^\circ, c = 9$

12. $a = 12, A = 56^\circ, B = 38^\circ$

13. $a = 14, b = 18, A = 36.8^\circ$

14. $b = 20, c = 25, C = 70.2^\circ$

15. $a = 25, b = 30, A = 46.3^\circ$

16. $a = 40, A = 80.2^\circ, C = 14.2^\circ$

17. $A = 80^\circ, C = 40^\circ, c = 30$

18. $c = 42, b = 56, C = 43.5^\circ$

19. $b = 13, B = 46.6^\circ, C = 112^\circ$

20. $A = 110^\circ, a = 20, b = 8$