Sine Law Drills

Solve the triangle ABC given the following. Round the angles to the nearest degree and the lengths to 2 decimal places.

1. A = 5 deg, a = 2.46 cm, b = 16.57 cm.

2. C = 143 deg, a = 1.97 deg, c = 5.69 cm.

3. A = 51 deg, a = 23.38 cm, b = 1.57 cm.

4. C = 33 deg, b = 8.88 deg, c = 21.5 cm.

5. A = 39 deg, B = 45 deg, a = 13.13 cm.

6. B = 25 deg, a = 25.68 cm, b = 11.09 cm.

7. B = 10 deg, C = 29 deg, b = 12.11 cm.

8. B = 1 deg, C = 9 deg, c = 24.76 cm.

9. A = 30 deg, B = 31 deg, b = 19.95 cm.

10. A = 61 deg, C = 46 deg, c = 31.44 cm.

11. A = 63 deg, a = 18.09 cm, c = 19.86 cm.

12. B = 13 deg, C = 15 deg, c = 20.85 cm.

13. B = 12 deg, C = 133 deg, b = 4.9 cm.

14. C = 23 deg, b = 28.41 deg, c = 13.72 cm.

15. A = 107 deg, B = 36 deg, b = 9.03 cm.

Answers
1. B=36 deg, C=139 deg, c=18.49 cm. 2. A=12 deg, B=25 deg, b=4 cm. 3. B=3 deg, C=126 deg, c=24.34 cm. 4. A=134 deg, B=13 deg, a=28.4 cm. 5. C=96 deg, b=14.75 cm, c=20.75 cm.6. A=78 deg, C=77 deg, c=25.58 cm. 7. A=141 deg, a=43.88 cm, c=33.8 cm. 8. A=170 deg, a=27.48 cm, b=2.76 cm. 9. C=119 deg, a=19.37 cm, c=33.88 cm. 10. B=73 deg, a=38.23 cm, b=41.8 cm. 11. B=39 deg, C=78 deg, b=12.78 cm. 12. A=152 deg, a=37.82 cm, b=18.12 cm. 13. A=35 deg, a=13.52 cm, c=17.24 cm. 14. A=103 deg, B=54 deg, a=34.21 cm. 15. C=37 deg, a=14.7 cm, c=9.25 cm.