Law of Sines

$$\frac{a}{sinA} = \frac{b}{sinB} = \frac{c}{sinC}$$

1. In triangle ABC, angle A measures 30 degrees, angle B measures 50 degrees, and side AC measures 10 meters. Find the length of side BC.

2. Triangle DEF has angle D measuring 40 degrees, angle E measuring 70 degrees, and side DE measuring 8 inches. Find the length of side EF.

3. In triangle GHI, angle G measures 55 degrees, angle H measures 70 degrees, and side GH measures 15 centimeters. Find the length of side HI.

4. Triangle JKL has angle J measuring 80 degrees, angle K measuring 45 degrees, and side JK measuring 12 meters. Find the length of side KL.

5. In triangle MNO, angle M measures 60 degrees, angle N measures 45 degrees, and side MO measures 18 inches. Find the length of side NO.

6. Triangle PQR has angle P measuring 35 degrees, angle Q measuring 75 degrees, and side PQ measuring 20 feet. Find the length of side PR.

7. In triangle STU, angle S measures 50 degrees, angle T measures 65 degrees, and side ST measures 14 meters. Find the length of side SU.

8. Triangle VWX has angle V measuring 25 degrees, angle W measuring 60 degrees, and side VW measuring 16 centimeters. Find the length of side WX.

9. In triangle YZA, angle Y measures 70 degrees, angle Z measures 85 degrees, and side YZ measures 24 inches. Find the length of side ZA.

10. Triangle BCD has angle B measuring 75 degrees, angle C measuring 40 degrees, and side BC measuring 18 meters. Find the length of side BD.