

The Law of Sines

Finding the Height in Non-Right Triangles

1) Find the height of the following triangle with the given information:

33 in.

in.

Finding the Height in Non-Right Triangles

2) Find the height of the following triangle with the given information:





Finding the Height in Non-Right Triangles

3) Find the height of the following triangle with the given information:



33.7 cm

Finding Missing Sides in Non-Right Triangles

4) Find the missing side of the following triangle with the given information:





This is a formula to help you figure out missing sides or angles for many triangles.



Finding Missing Sides in Non-Right Triangles

5) Find the missing side of the following triangle with the given information:



Finding Missing Sides in Non-Right Triangles

6) Find the missing side of the following triangle with the given information:



Finding Missing Angles in Non-Right Triangles

7) Find the missing angle of the following triangle with the given information:



Finding Missing Angles in Non-Right Triangles

8) Find the missing angle of the following triangle with the given information:



Proof of the Law of Sines







9) *m* ≈ ____





10) $n \approx$ ____









