

A segment that goes <u>from the vertex</u> of a triangle, <u>perpendicular to</u> the line containing <u>the opposite side</u>.





An altitude can appear outside the triangle (in the case of an obtuse triangle)

altitude

In a right triangle, both legs are altitudes





#### A triangle could have up to 3 altitudes.









In an isosceles triangle, the perpendicular bisector, angle bisector, median, and altitude from the vertex angle to the base are all the same segment.

In an equilateral triangle, this is true for the segment drawn from any vertex.



### Practice

AB is an altitude. Find x.





