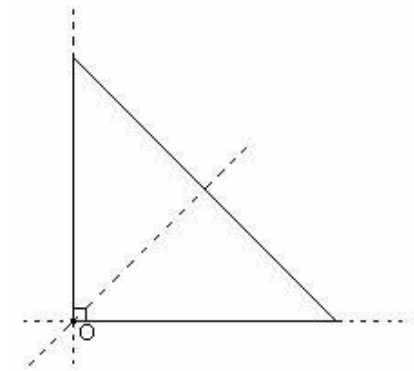


Conditions

The orthocenter of the triangle formed by $O(0,0)$, $A(1,0)$, $B(0,1)$, where orthocentre is the point of intersection of altitudes drawn from vertices on opposite sides is?

Solution

It's obviously to see, that our triangle is right



Orthocenter is the point of intersection of the altitudes. Each leg in a right triangle forms an altitude. So, in a right-angled triangle, the orthocenter lies at the vertex containing the right angle.

Answer: (0,0)