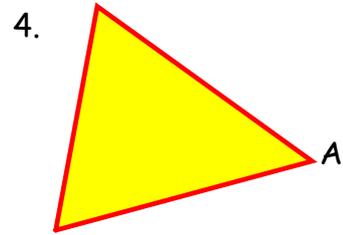
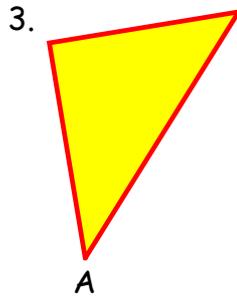
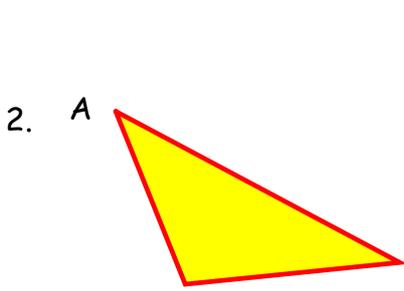
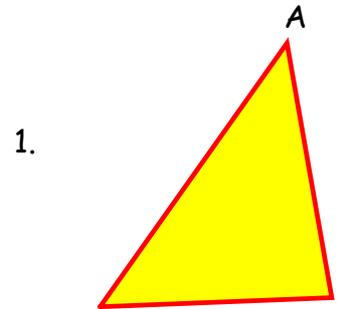
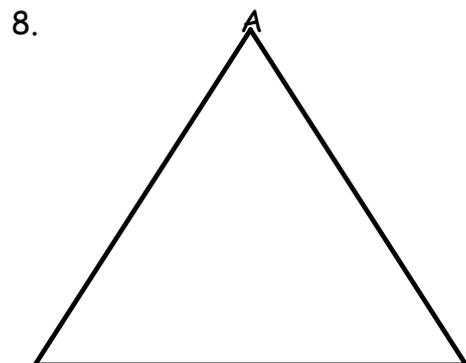
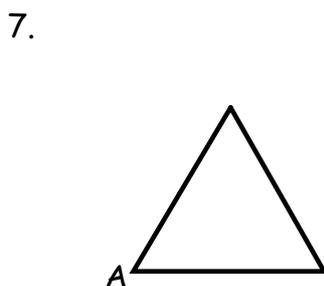
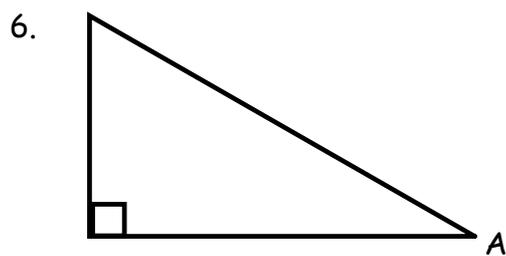
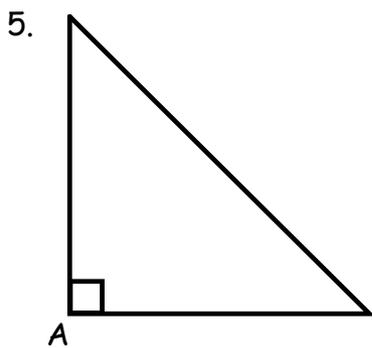


Construct the altitude from vertex A, in each triangle.

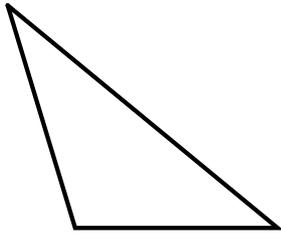


Measure side lengths and classify each triangle with the most precise name possible. Then, construct the altitude from vertex A. Label the point of intersection, on the opposite side, point M.

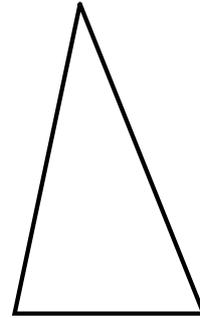


Find the Orthocenter of each triangle and label it  $O$ .

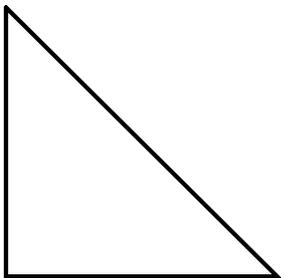
9.



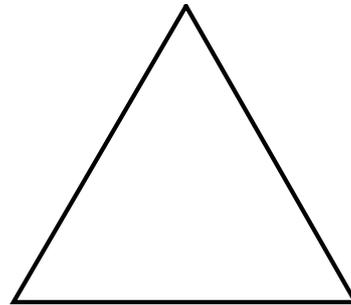
10.



11.

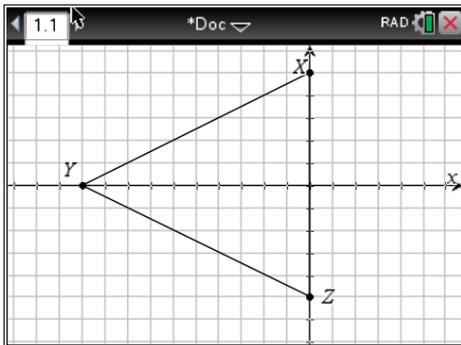


12.



13. Is the altitude ever a bisector? \_\_\_\_\_ If so, in which triangles(s) \_\_\_\_\_

14.



Find the coordinates of the Orthocenter, algebraically.

Place the Orthocenter on the graph, label it  $O$ .