

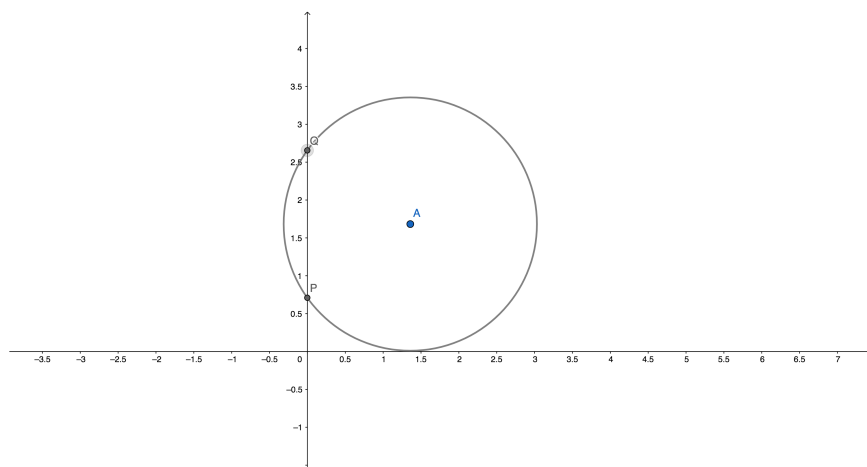


PROBLEM # 663

Posted on: 30 Oct

Due on: 6 Nov

A variable circle Γ in the xy -plane is tangent to the x -axis and meets the y -axis at the points P and Q . If the circle varies in such a way that the length of the segment PQ is always 2, show that the center A of Γ lies on a hyperbola, and find the equation of this hyperbola.



The problem of the week can also be found online here:

