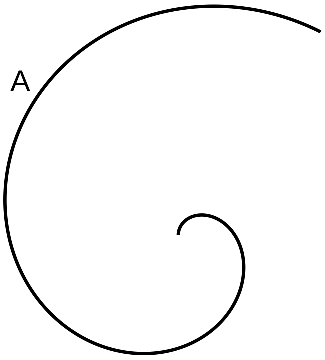
How do we find

the tangent at

A?

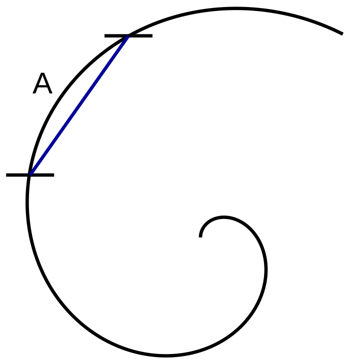


Take two points

on the curve

equidistant from A

and connect them.

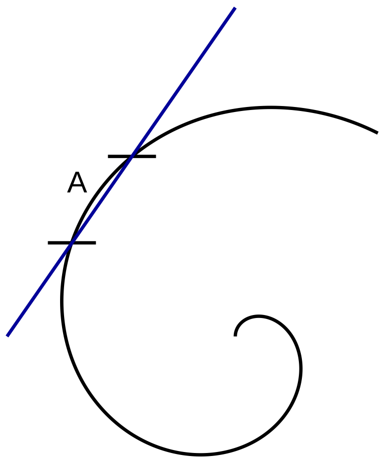


Move the points

closer together

and extend the

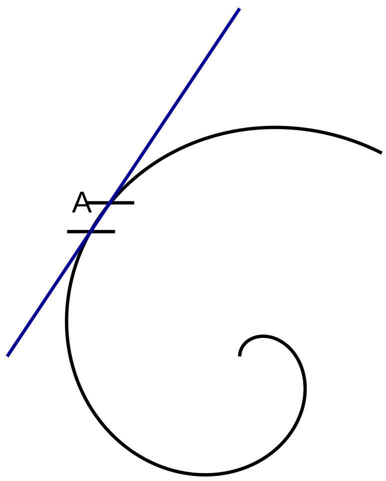
line connecting them.



Continue moving

the points closer

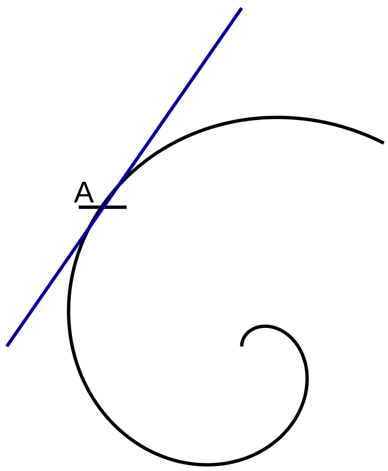
together



Until the two

points become

one.



Now we have the

tangent to the

curve at A.