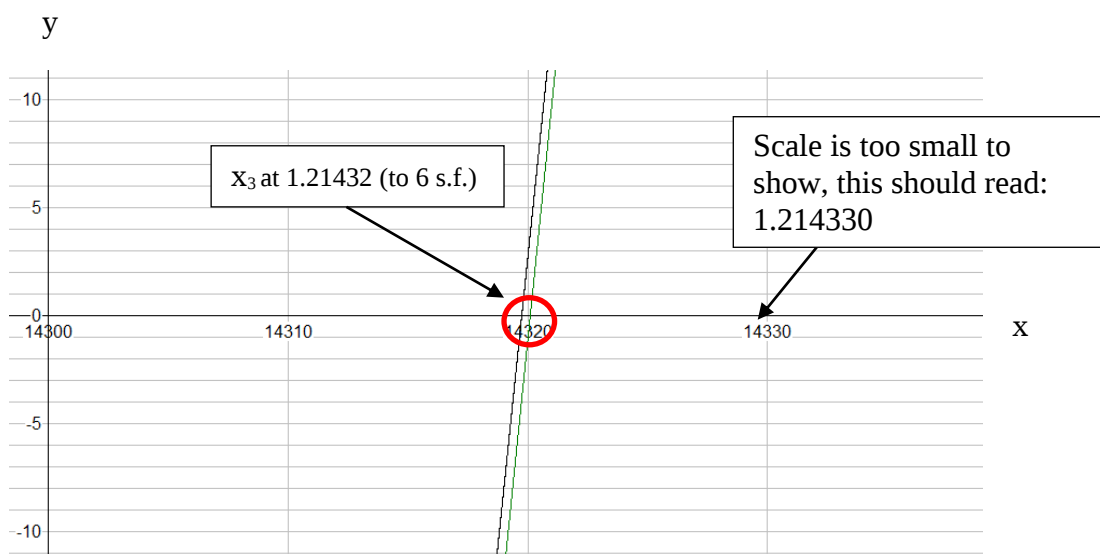
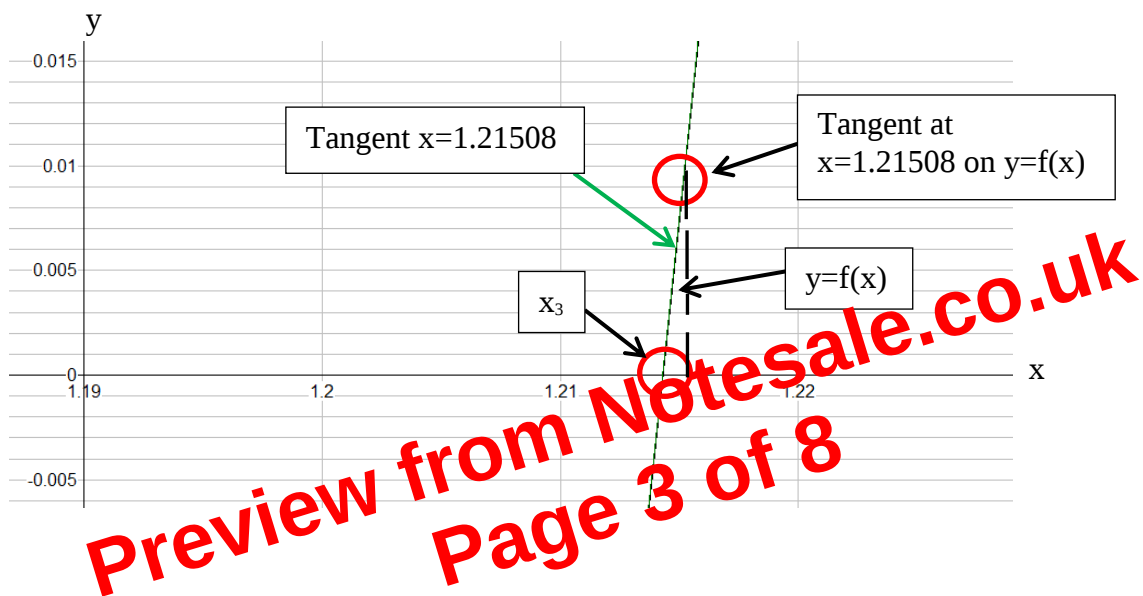




The tangent is now barely distinguishable from the curve, the tangent crosses the x axis at $x=1.2143$ (to 5 s.f.) and so the root lies in the interval $[1.2143, 1.2144]$. This can be confirmed by a change of sign: