Baguarm 16 Bainerko Urge
N4.

2)
$$y = (\sqrt{x^2 + 10x^2})$$
 arctg $(x + x^2)$
 $lny = ln(\sqrt{x^2 + 10x^2})$ arctg $(x + x^2) = >$
 $=> \frac{y'}{y} = arctg(x + x^2) \cdot ln(\sqrt{x^2 + 10x^2}) = >$
 $=> \left[ln(\sqrt{x^2 + 10x^2}) \cdot ln(x^2 + 10x) \right] = >$
 $=> \frac{y'}{y} = \frac{arctg(x + x^2) \cdot ln(x^2 + 10x)}{2} = >$
 $=> \frac{y'}{y} = \frac{arctg(x + x^2) \cdot ln(x^2 + 10x)}{2} = >$
 $=> \frac{y'}{y} = \frac{arctg(x + x^2) \cdot ln(x^2 + 10x)}{2} = >$

=>
$$\frac{4}{3}$$
 = $\frac{(arctg(x+x^2))'(h(x^2+10x)+arctg(x+x^2)(lh(x^2+10x))'}{2}$ =>
=> $\frac{1}{3}$ = $\frac{1}{3}$ =>
=> $\frac{1}{3}$ = $\frac{1}{3}$ =>
=> $\frac{1}{3}$ == $\frac{1}{3}$ =>
=> $\frac{1}{3}$ == $\frac{1}{3}$ == $\frac{1}{3}$ =>
=> $\frac{1}{3}$ == \frac