125

h) $\frac{2}{3}$ log x – $\frac{1}{2}$ (log(x – y) + log(x + y)) = $\frac{2}{3}$ log x – $\frac{1}{2}$(log (x – y)(x + y)) =

= $\frac{2}{3}$ log x – $\frac{1}{2}$ log ($x^2 – y^2$) = $\frac{2}{3}$ log x – log $\sqrt{x^2 - y^2}$ = log $\sqrt[3]{x^2}$ – log $\sqrt{x^2 - y^2}$ = log $\frac{\sqrt[3]{x^2}}{\sqrt{x^2-y^2}}$