Function

●. Prove that the following function $f : \mathbb{R} \to \mathbb{R}$ is not injective and not surjective.

$$f(x) = e^{3y^2+2} + 1$$

NOTE $g(x) = e^x + 1$ is not surjective for $g: \mathbb{R} \to \mathbb{R}$

Since $e^x > 0$.

$h(x) = 3y^2 + 2$ is not injective for $h: \mathbb{R} \to \mathbb{R}$

Since $h(1) = h(-1)$.

Since $f(x) = g(h(x))$,

1) $f(x) > 0$

and 2) $f(1) = f(-1)$

} not inj / surj.