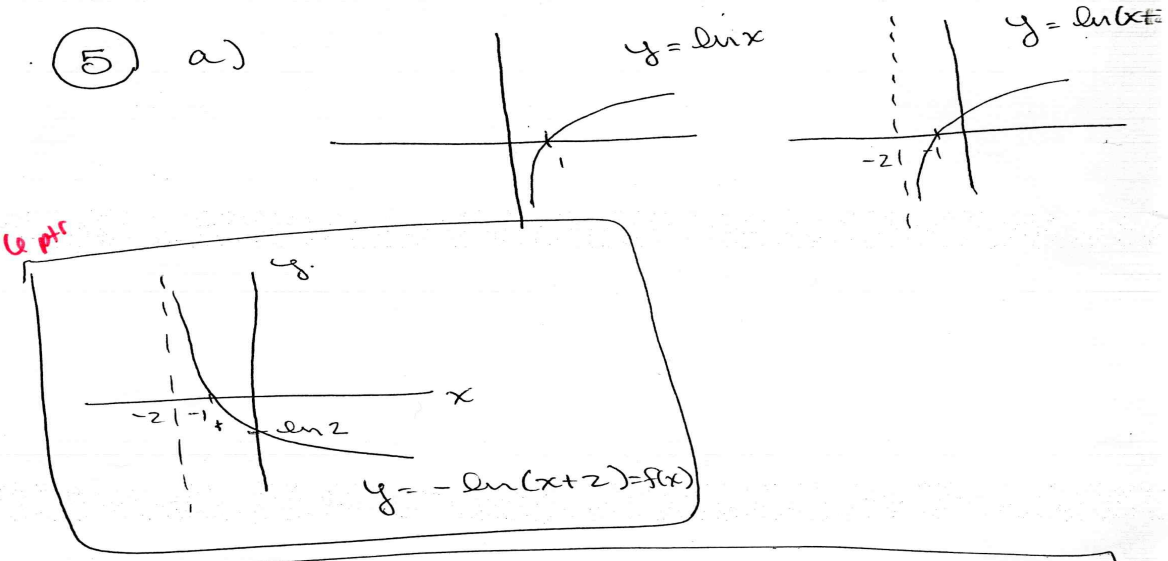
6pts ③ g has a hole in the graph @ $x = -2$

The hole is at the point $(-2, -\frac{1}{4})$.

16pts ④ $p(x) = x^2(x+2)(x-4)$

⑤ a)



3pt b) yes, f is 1-1 b/c it's graph passes the horizontal line test.

8pt c) $x = -\ln(y+2)$

$-x = \ln(y+2)$

$e^{-x} = y+2$

$y = e^{-x} - 2$

$f^{-1}(x) = e^{-x} - 2$