Q1. Find the length of the curve $y = 3 + \dfrac{1}{4}x^2 - \dfrac{1}{2}\ln|x|$, $-2 \le x \le -1$

Q1. Find the area of the surface obtained by rotating the curve $y = \dfrac{1}{4}x^2 - \dfrac{1}{2}\ln x$, $1 \le x \le 2$ about the $y - axis$