To rotate around the x-axis simply make the function's dependent unitale y and change the integration bounds to the x-part of the coordinates after the two functions  $e^{x} = y$   $\sqrt{x+2} = y$   $\sqrt{y^2-2} = x$   $0 \le y \le \infty$   $0 \le y \le \infty$ The formula of the x-axis simply make the function's of the x-part of the coordinates after two functions  $e^{x} = y$   $\sqrt{x+2} = y$   $\sqrt{y^2-2} = x$   $0 \le y \le \infty$   $0 \le y \le \infty$ 

d) + 
$$\int_{a'}^{b'} (1-(y^2-2))^2 - (1-\ln(y))^2 dy \approx [12.7207] \times 1$$