LAST NAME	FIRST NAME	DATE

1 (15 points). Find the general indefinite integral:

(a) $\displaystyle\int \sin(x) + \sinh(x)\, dx$

(b) $\displaystyle\int 1 + 6w^2 - 10w^4\, dw$

(c) $\displaystyle\int \frac{4}{\sqrt{1+p^2}}\, dp$

(d) $\displaystyle\int \frac{1-x^2}{2} + \frac{2}{1-x^2}\, dx$

(e) $\displaystyle\int \frac{x^2-1}{x^3-x^2}\, dx$