

Find $\frac{dy}{dx}$ in term of x and/or y .

1. $y = \frac{x^4}{2} - \frac{3}{2}x^2 - x$

2. $y = \frac{x^5}{120}$

3. $y = \frac{x^4}{4} - \frac{x^3}{3} + \frac{x^2}{2} - x + B$