•
$$f(x) = \frac{2}{x} - x^{-7} + \frac{x^3}{6}$$

• $f(x) = 2x^{-1} - x^{-7} + \frac{1}{6}x^3$
• $f'(x) = -2x^{-2} + 7x^{-8} + \frac{1}{6}x^2$
• $f'(x) = -2x^{-2} + 7x^{-8} + \frac{1}{6}x^2$

$$y' = -\frac{1}{5}x^{2} - 3x^{3} + 4x - 7$$

$$y' = -(2)\frac{1}{5}x - (3)3x^{4} + (1)(4) - 0$$

$$y' = -\frac{2}{5}x + 9x^{-4} + 4$$

$$5$$

$$y' = -\frac{2}{5}x + 9x^{-4} + 4$$

$$-\frac{1}{5}x + \frac{1}{5}x + \frac$$

$$y' = \frac{1}{2} + 3x^{2} - 8x$$

$$y' = (-\frac{1}{2} \cdot \frac{1}{x}) + 3(1)x - (1)(8)$$

$$y' = (-\frac{1}{2} \cdot x^{2}) + 6x - 8$$

$$y' = (-\frac{1}{2} \cdot -x^{2}) + 6x - 8$$

$$y' = (-\frac{1}{2} \cdot -\frac{1}{x^{2}}) + 6x - 8$$

$$y' = \frac{1}{2x^{2}} + 6x - 8$$