Derivatives using Rules

- 1. Find f'(x) for
 - (a) $f(x) = x^{10} + 1/x$
 - (b) $f(x) = 6 + 2/x^3$
 - (c) $f(x) = 7e^x 2\sqrt{x}$.
- 2. Find the equation of the tangent line to $f(x) = x^4 + e^x$ at x = 1.
- 3. At what values of x is the tangent line to

$$f(x) = \frac{x^3}{3} - \frac{x^2}{2} - 12x$$

horizontal?