Reading Outline, $\S 3.3$

${\bf Vocabulary/Definitions}$

- $\circ\,$ The Product Rule
- $\circ\,$ How the product rule is derived
- o The Quotient Rule
- $\circ\,$ How the quotient rule is derived

- Understand
 1. Find $\frac{d}{dx}(3x \cdot e^x)$
- **2.** Find $\frac{d}{dx} \left(\frac{3x}{e^x} \right)$