

## MATH 2B/5B Prep: Product & Quotient Rule

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1. Find the derivative of  $f(x) = x^2 \sec(x)$ .

2. Compute the derivative of  $\frac{\sin(3x)}{x}$ .

3. Find  $\frac{d}{dx} \frac{\tan(x)e^x}{x^2}$