Product Rule

Find the following derivatives:

1. $\frac{d}{dx}(x \cdot \cos x)$

2. $\frac{d}{dx}(\sin x \cdot \tan x)$

3. $\frac{d}{dx}(e^x \cdot 5^x)$

4. $\frac{d}{dx}((4x^2 - 3) \cdot \csc x)$