## Repeated Differentiation of Sine and Cosine

a) For which of the functions whose graphs are displayed by the Creating the Derivative mathlet is it true that $f^{\prime \prime}(x)=-f(x)$ ?
b) Can you think of any other functions for which $f^{\prime \prime}(x)=-f(x)$ ?

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### 18.01SC Single Variable Calculus] []

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