

DIFFERENTIATING SINE AND COSINE

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Here is the graph of cosine. and here is the graph of sine:

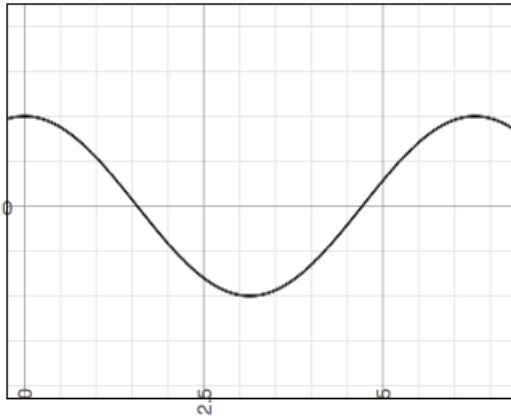
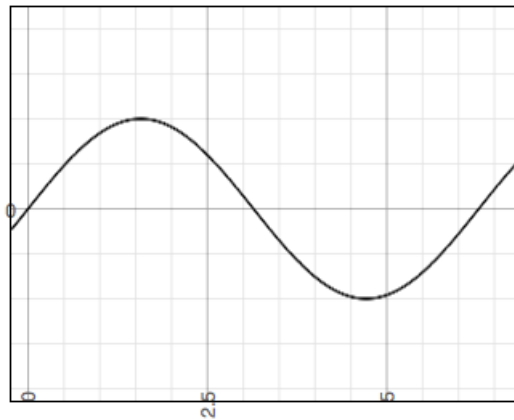


FIGURE 1. The graph of $\cos(x)$.



Fact: the derivative of \cos is $\pm\sin$ and the derivative of \sin is $\pm\cos$.
Exercise: Look at the picture. Figure out the \pm signs.