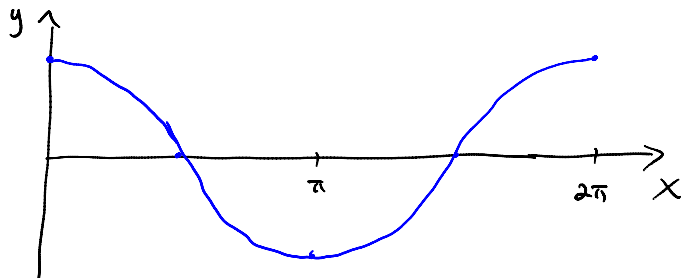


Section 6.5: cont'd

Tuesday, February 16, 2016
9:29 AM

Consider the graph $y = \cos x$

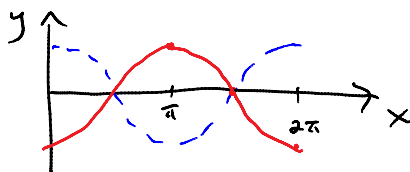


what would you get if you translated (shifted) by 2π to the right?

same graph!

$$\cos x = \cos (x - 2\pi)$$

what about a shift of π to the right?



you get the same thing as if you had reflected about x -axis

what would you get if you reflected $y = \cos x$ about the y -axis?

same thing!

because it's even, and symmetric wrt y

$$\cos(-x) = \cos x$$