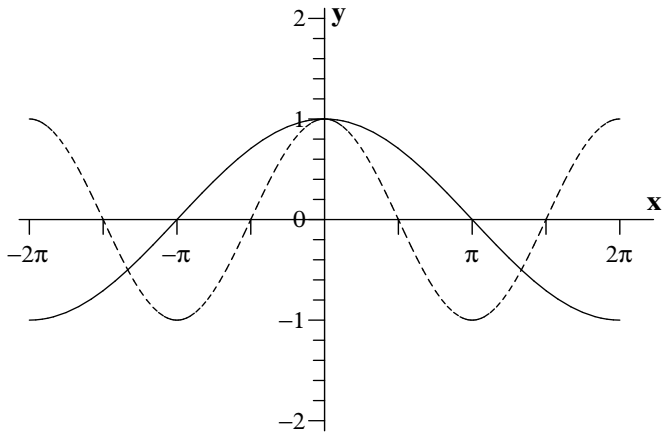
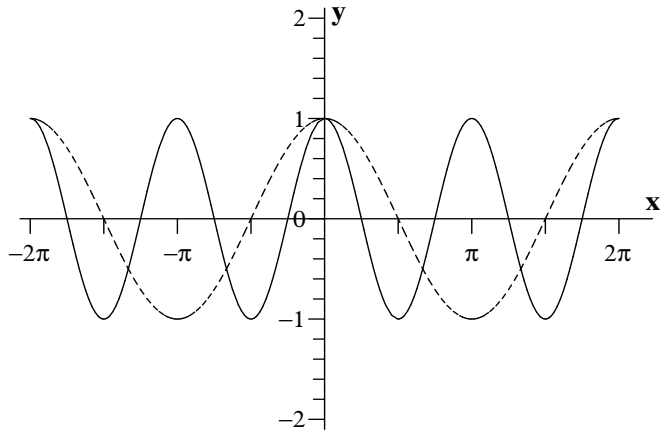
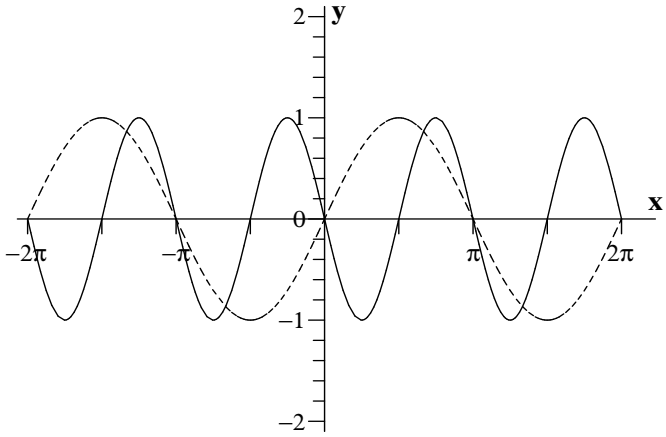
1. The graph of $y = \cos x$ is dashed; the graph of $y_1 = \cos \dfrac{x}{2}$ is solid.



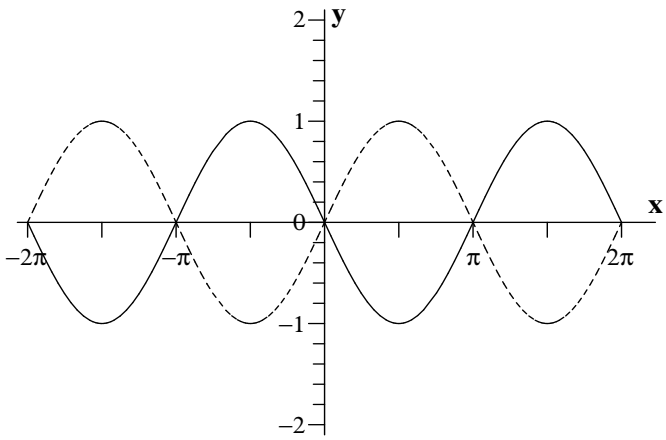
2. The graph of $y = \cos x$ is dashed; the graph of $y_1 = \cos(-2x)$ is solid.



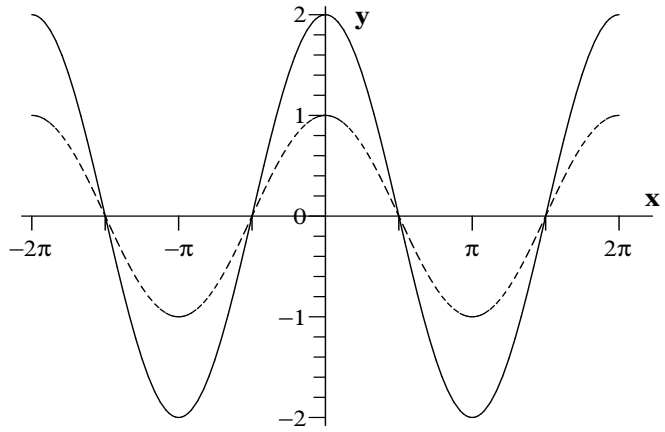
3. The graph of $y = \sin x$ is dashed; the graph of $y_1 = \sin(-2x)$ is solid.



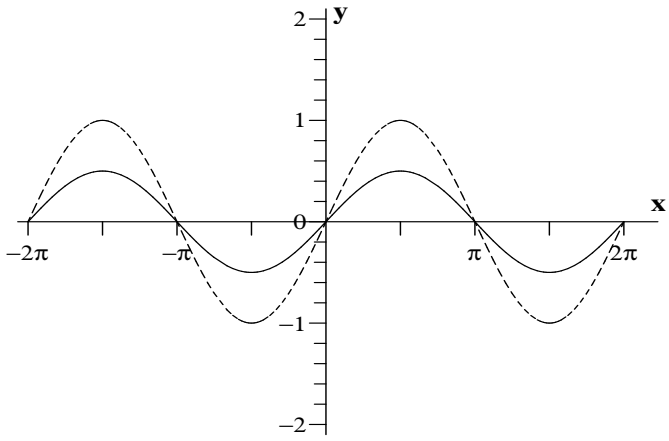
4. The graph of $y = \sin x$ is dashed; the graph of $y_1 = \sin(-x)$ is solid.



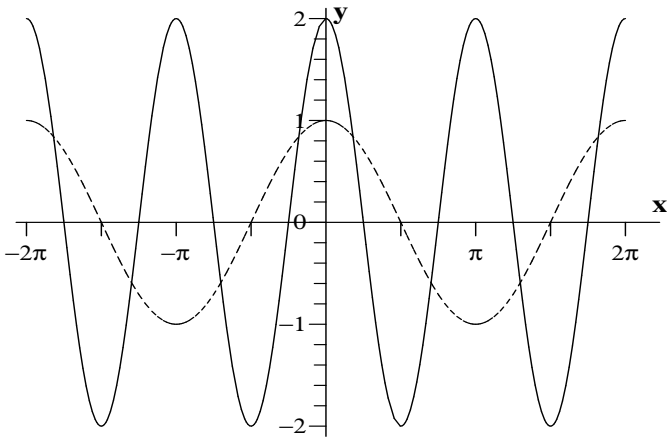
5. The graph of $y = \cos x$ is dashed; the graph of $y_1 = 2\cos x$ is solid.



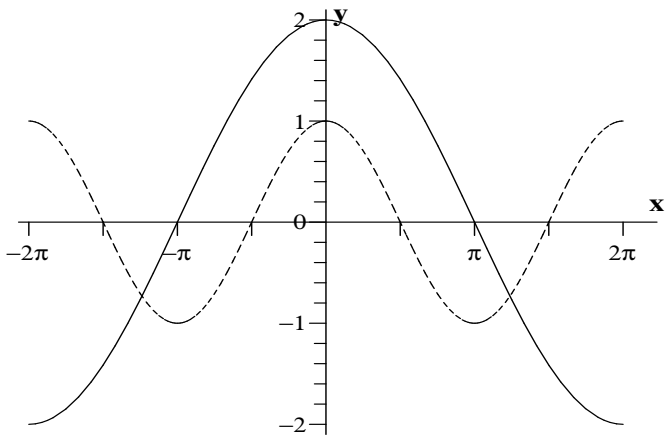
6. The graph of $y = \sin x$ is dashed; the graph of $y_1 = \dfrac{1}{2}\sin x$ is solid.



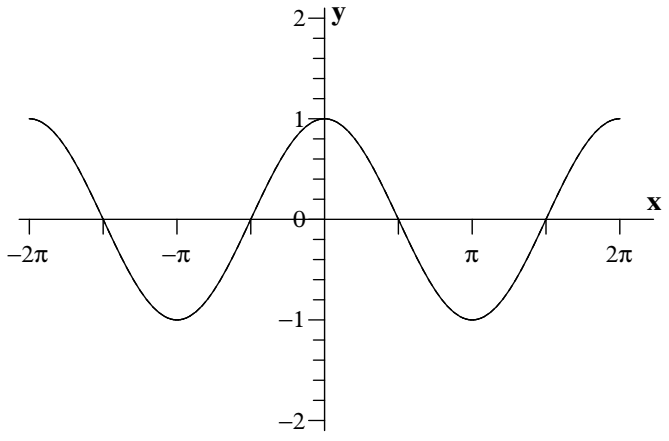
7. The graph of $y = \cos x$ is dashed; the graph of $y_1 = 2\cos(2x)$ is solid.



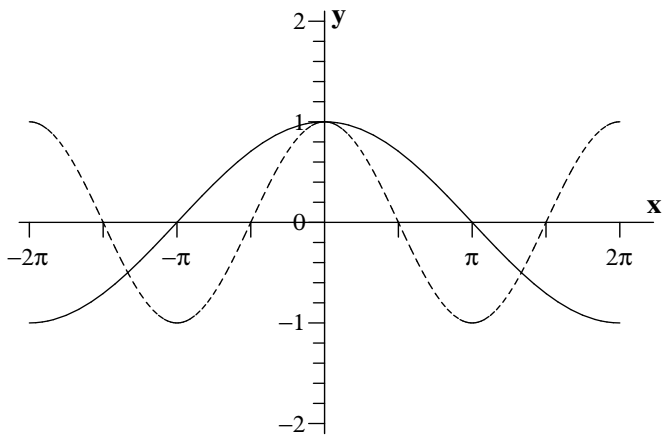
8. The graph of $y = \cos x$ is dashed; the graph of $y_1 = 2\cos\dfrac{x}{2}$ is solid.



9. The two graphs are superimposed because $\cos x = \cos(-x)$.



10. The graph of $y = \cos x$ is dashed; the graph of $y_1 = \cos\dfrac{x}{2}$ is solid.


y
x
2
1
0
−1
−2
−2π
−π
π
2π