



4. Graph  $y = -x^2$ ,  $y = (x - 1)^2$  and  $y = (x - 1)^2 - 1$  on adjacent graphs.

5. Graph  $y = \sqrt{x}$ ,  $y = \sqrt{x - 1}$ , and  $y = \sqrt{-x}$  on adjacent graphs.

6. Graph  $y = \sin(x)$  and  $y = \cos(x)$  on the same graph over the interval  $[0, 4\pi]$ . Label the points  $0$ ,  $\pi/2$ ,  $\pi$ ,  $3\pi/2$  and  $2\pi$  on the  $x$ -axis.

7. Graph  $y = \sin(2x)$  and  $y = 2 \sin(x)$  over the interval  $[0, 2\pi]$  on the same graph. Label the points  $0, \pi/2, \pi, 3\pi/2$  and  $2\pi$  on the  $x$ -axis.
8. Graph  $-2 \cos(x)$  and  $3 - 2 \cos(x)$  on adjacent graphs. Label the points  $0, \pi/2, \pi, 3\pi/2$  and  $2\pi$  on the  $x$ -axis.
9. Graph  $y = \cos(x)$  and  $y = |\cos(x)|$  over the interval  $[0, 2\pi]$  on the same graph. Label the points  $0, \pi/2, \pi, 3\pi/2$  and  $2\pi$  on the  $x$ -axis.

10. Graph  $y = 3 - 2|\cos(x)|$ .

11. Graph  $y = \tan(x)$  and  $y = \tan\left(x - \frac{\pi}{2}\right)$  over the interval  $[0, 2\pi]$  on adjacent graphs.

12. Graph  $y = \sin(x^2)$  and  $y = \sin(1/x)$  on adjacent graphs.