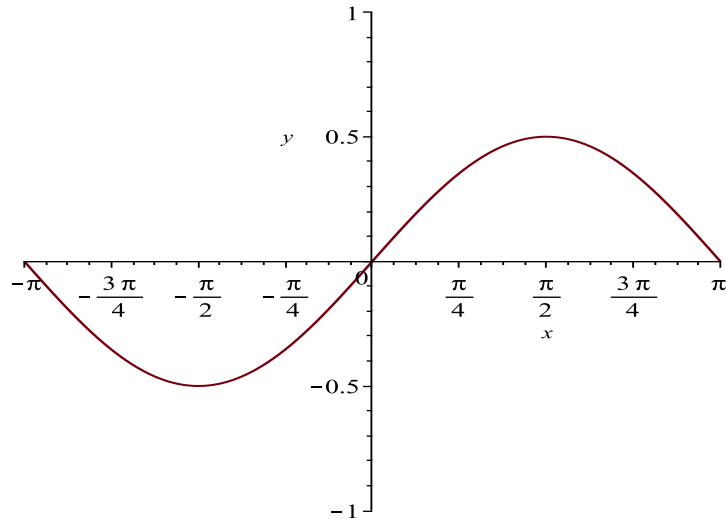


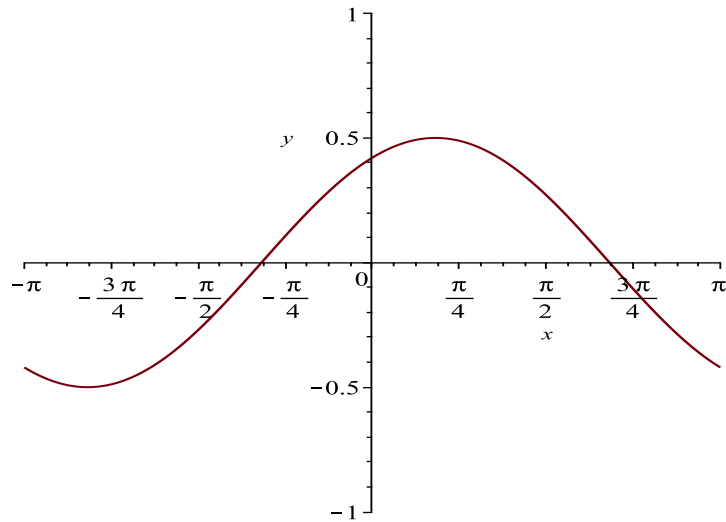
Solution of the wave equation with speed $c^2 = 1$,

$$u(\mathbf{x}, 0) = \sin(x), \quad u_t(\mathbf{x}, 0) = 0$$

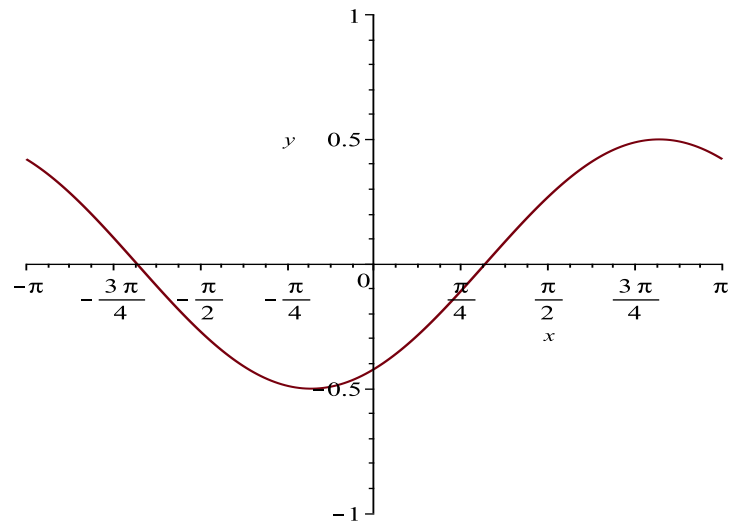
plot ($1/2 \sin(x)$, $x = -\pi \dots \pi$, $y = -1 \dots 1$)



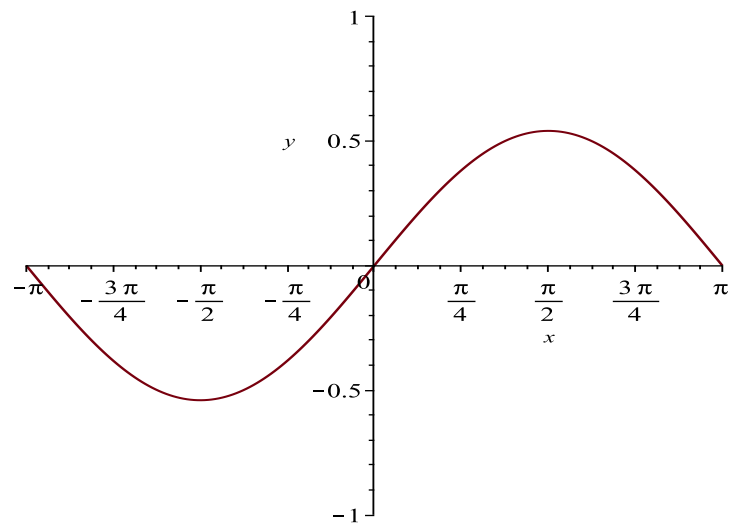
plot ($1/2 \sin(x + 1)$, $x = -\pi \dots \pi$, $y = -1 \dots 1$)



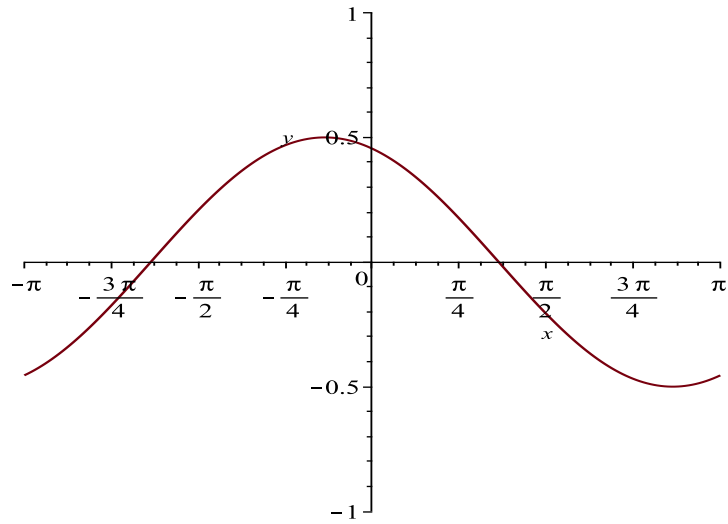
plot ($1/2 \sin(x - 1)$, $x = -\pi \dots \pi$, $y = -1 \dots 1$)



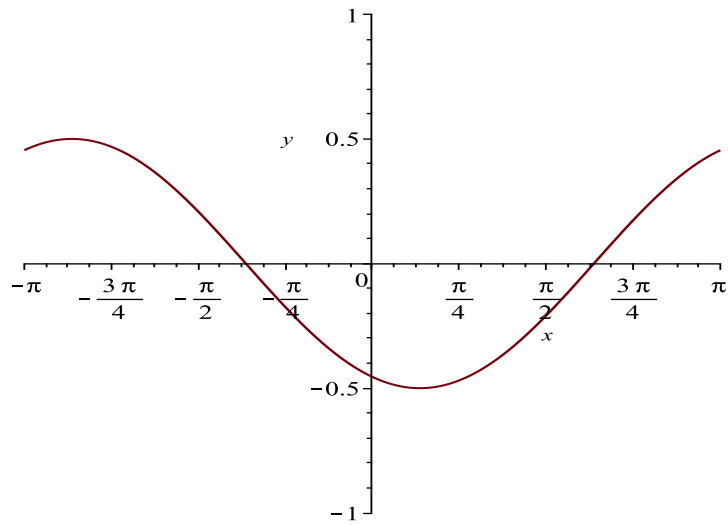
$plot(1/2 \sin(x - 1) + 1/2 \sin(x + 1), x = -\pi \dots \pi, y = -1 \dots 1)$



$plot(1/2 \sin(x + 2), x = -\pi \dots \pi, y = -1 \dots 1)$



$plot(1/2 \sin(x - 2), x = -\pi \dots \pi, y = -1 \dots 1)$



$plot(1/2 \sin(x - 2) + 1/2 \sin(x + 2), x = -\pi \dots \pi, y = -1 \dots 1)$

