

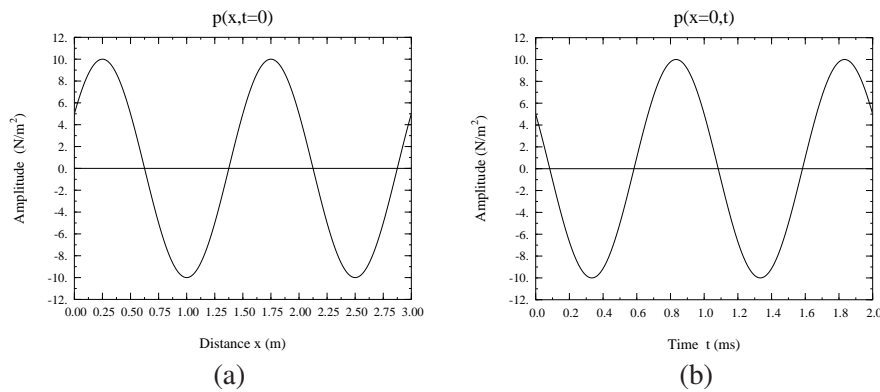
**1.2** For the pressure wave described in Example 1-1, plot

(a)  $p(x, t)$  versus  $x$  at  $t = 0$ ,

(b)  $p(x, t)$  versus  $t$  at  $x = 0$ .

Be sure to use appropriate scales for  $x$  and  $t$  so that each of your plots covers at least two cycles.

**Solution:** Refer to Fig. P1.2(a) and Fig. P1.2(b).



**Figure P1.2** (a) Pressure wave as a function of distance at  $t = 0$  and (b) pressure wave as a function of time at  $x = 0$ .

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