

Problem 1.11 Given the waveform of $x(t)$ shown in P1.11(b), generate and plot the waveform of:

(a) $x(2t + 6)$

(b) $x(-2t + 6)$

(c) $x(-2t - 6)$

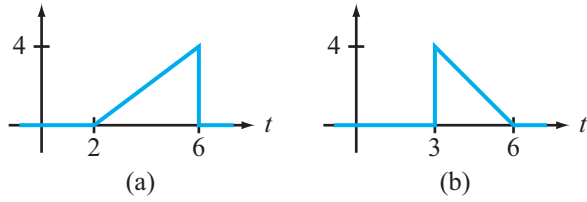


Figure P1.11: Waveforms for Problems 1.11 and 1.12.

Solution: Scale first, then shift, after writing each transformation in the form $x(a(t-b))$.

(b) $x(-2t + 6) = x(-2(t - 3))$

