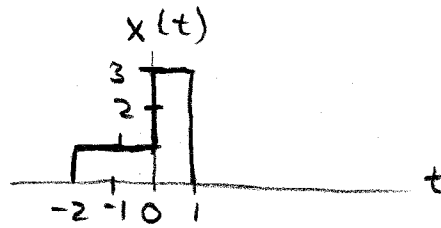


IN-CLASS PROBLEM #1

CONSIDER THE SIGNAL



a) SKETCH $\phi(t) = x(t/5)$

b) SKETCH $\phi(t) = x(3-t)$

IN-CLASS PROBLEM #2

a) DETERMINE AND SKETCH

$$x(t) = \sin\left(\frac{\pi}{4}t\right) f(t-2)$$

b) DETERMINE AND SKETCH $y(t)$ AS A FUNCTION OF t :

$$y(t) = \int_{-\infty}^t f(\tau-10) d\tau$$