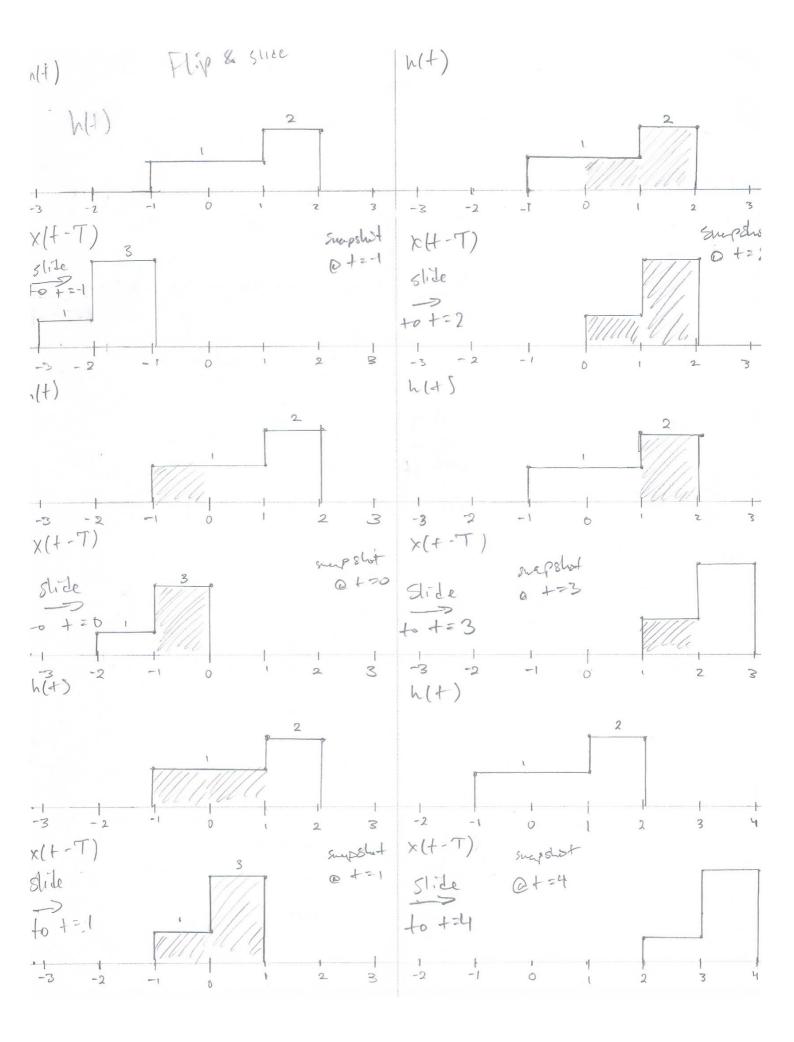
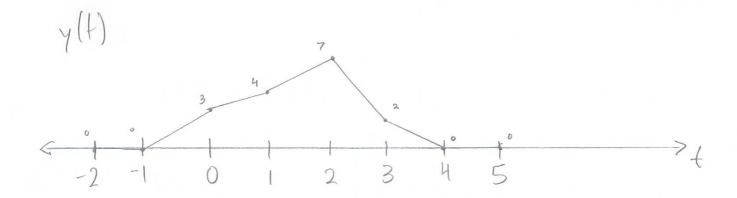
$+2-1: \int_{1.0}^{1.0} dT + \int_{3.0}^{3.0} dT = 0$ -12+20: \$3.1dT = 3++3 0 2 + 2 1 : + 1 1-1dT + \$3.1dT = 3+6 12.+22: 5-1.117+13.117+13.217=1+3+ 2 = t = 3:  $\int_{1-1}^{1} 1 \cdot 1 dT + \int_{1-2}^{1} 1 \cdot 2 dT + \int_{1-1}^{2} 3 \cdot 2 dT = 17-5t$ 32+24: 31.2dT = 8-2+ +>4: \$1.0 dT + \$3.0dT = 0 -12+0 DZ+C1 14+2 graph of y 2 4 13 32+44

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2. (a) length(h) = 5 Support(h) = 3Nh = n=Nh3 = 2-1 = n=35 length (x) = 5 $Support(x) = \{N_x \le n \le M_x \} = \{-2 \le n \le 2\}$ length (y) = length(h) +length(x) -1 = 9 Supportly) = {Nn+Nx < n < Mn+Mx3 = {-3 < n < 53 h[n]  $\frac{1}{2}$   $\frac{3}{2}$   $\frac{2}{2}$   $\frac{3}{2}$   $\frac{2}{2}$   $\frac{1}{2}$   $\frac{3}{2}$   $\frac{1}{2}$   $\frac{3}{2}$   $\frac{1}{2}$   $\frac{3}{2}$   $\frac{1}{2}$   $\frac{1}{2}$   $\frac{3}{2}$   $\frac{1}{2}$   $\frac{3}{2}$   $\frac{1}{2}$   $\frac{1}{2}$   $\frac{3}{2}$   $\frac{1}{2}$   $\frac{1}$   $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}$ unte the indices: A-1xzthox,+... y[1] G/(k). x[1-k] = 2-2+1-3+5-4+4-2+3.5 = 50 (same as mottab result) 1 x[1-4]