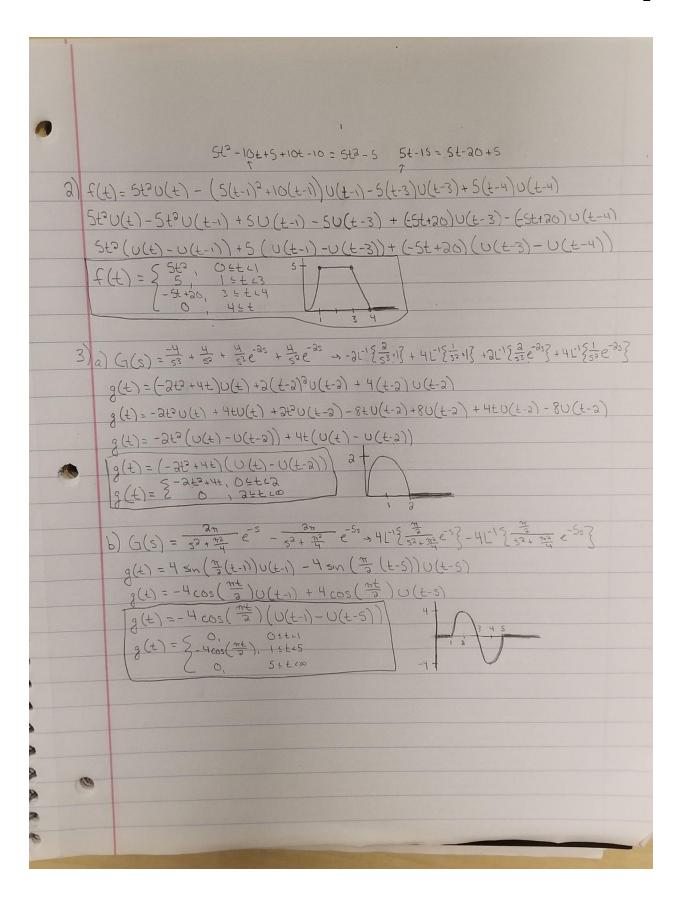
	Aughdan Brestin Yang Liul Patricke Miller
	I pledge my hour that I have abided by the Stevens Honor System.  Myle Reget .
1	g(t) = 5 4 (4-5) 05 £ 61 (4-6) 45 £ 66 6 £ 6 66
	g(t) = -4e(t-2)(U(e) - U(t-1)) + 4(U(t-1) - U(t-4)) + (t-6)2(U(t-4) - U(t-6)) . =(-4e^2+9e) U(t) + (4e^2-9e) U(t-1) + 4U(t-1) - 4U(t-4) + (t^2-12t-12t-12t) U(t-4) - (t-6)^2 U(t-6)
	= (-462-86)U(4) + 4 (4-36+1)U(4-1) + (40-136 +33)U(4-4) - (4-6)^2U(4-6) = (-462-86)U(4) + 4 (4-1)^2U(4-1) + (4-4)(4-4)U(4-4) - (4-6)^2U(4-6)
	=-46°0(E) +80(0) +4 (E-1)°0(E-1) + (E-1)°0(E-1)'-4 (E-4)°0(E-1) - (E-6)°0(E-6) = (E-6)°0(E-6)°0(E-6) = (E-6)°0(E-6)°0(E-6) = (E-6)°0(E-6)°0(E-6)°0(E-6) = (E-6)°0(
	= -4 = 3 + 8 = 3 + 4 = 3 e - 4 = 3 e - 4 = 4 = 6 = 6 = 6 = 6 = 6 = 6 = 6 = 6 =
	= = = = + 8 = = + 2 = + 2 = - 2 = 6 = ) + = 0 (8 + 4 = 240)



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4) y''(t) + y(t) = f(t), y(0) = 0, y'(0) = 0 f(t) = \begin{cases} 1 & 0 \le t \le \pi \\ 1 & 0 \le t \le \pi \end{cases}
 \lfloor \{y''(t) + y(t)\}\} = \lfloor \{1(v(t) - v(t-\pi)) - 1(v(t-\pi) - v(t-\pi))\}\} + \lfloor \{v(t-2\pi)\}\}\} 
 |y(s) - sy(0) - y'(0) + y(s) = \lfloor \{v(t)\}\} + \lfloor \{-2v(t-\pi)\}\} + \lfloor \{v(t-2\pi)\}\} 
 |y(s) - sy(0) - y'(0) + y(s) = \lfloor \{v(t)\}\} + \lfloor \{-2v(t-\pi)\}\} + \lfloor \{v(t-2\pi)\}\} 
 |y(s) - sy(0) - y'(0) + y(s) = \lfloor \{v(t)\}\} + \lfloor \{-2v(t-\pi)\}\} + \lfloor \{v(t-2\pi)\}\} 
 |y(s) - sy(0) - y'(0) + y(s) = \lfloor \{v(t)\}\} + \lfloor \{v(t-\pi)\}\} + \lfloor \{v(t-\pi)\}\} + \lfloor \{v(t-\pi)\}\} + \lfloor \{v(t-\pi)\}\} + \lfloor \{v(t)\}\} + \lfloor 
                        Y(s) = \frac{e^{-2\pi s} 2e^{-\pi s}+1}{s(s^{2}+1)} \rightarrow \frac{1}{s} \left\{ \frac{s(s^{2}+1)}{s(s^{2}+1)} e^{-2\pi s} \right\} = \frac{1}{s} \left\{ \frac{4}{s} + \frac{8s+c}{s^{2}+1} \right\} \cup (4-2\pi)
                          AL-18 = 3 + BL-18 = 1 + CL-18 = A + B cos(t) + (sin(t) Find ABC
                          A(sax1) + Bs2 + (s=1 -> As2+A+Bs2+ (s=1 -> A+B=0, B=-A, C=0, A=1, B=-1
                                                                   ( 1 - cos(t)) U(t-2m) = (1-cos(t)) U(t-2m)
                          · L-18 - a e-ns } = L-18 + Bs+C 3 U(t-m)
                                 AL' { } } + BL' { 52+1 } + (L' { 52+1 } = A + Bcos(+-n) + (sin(t-n))
                           A(52+1)+B52+(s=-2 -> A52+A+B52+Cs=-2 -> A+B=0, B=-A, C=0, A=-2, B=2
                                                                · (-2+2cos(t-m))U(t-m) = (-2-2cos(t))U(t-m)
                              · [-1 \{ \frac{1}{5(52+1)}\} = L^{-1}\{ \frac{A}{5} + \frac{1}{504+1}\} = AL^{-1}\{ \frac{1}{5}\} + BL^{-1}\{ \frac{5}{504+1}\} + CL^{-1}\{ \frac{5}{502+1}\} = A + B cos(t) + (sin(t))
                               A(s2+1)+ Bs2+(s=1 -> As2+A+Bs2+(s=1 -> A+B=0, B=-A, C=0, A=1, B=-1
                                                                · (1-cos(+)) U(+)
                                 y(t)= (1-cos(t))U(t-2m) + (-2+2cos(t))U(t-m) + (1-cos(t))U(t)
                                  y(t) = (1-cos(t))(U(t)-2U(t-m)+U(t-2m))
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