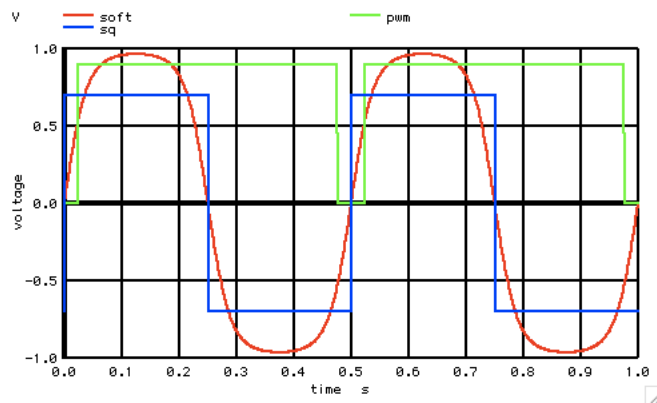
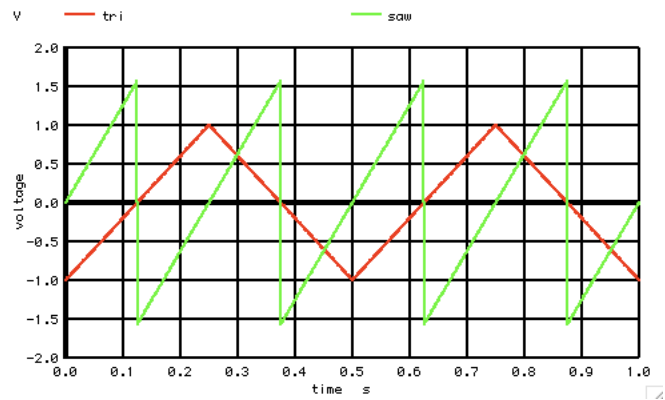
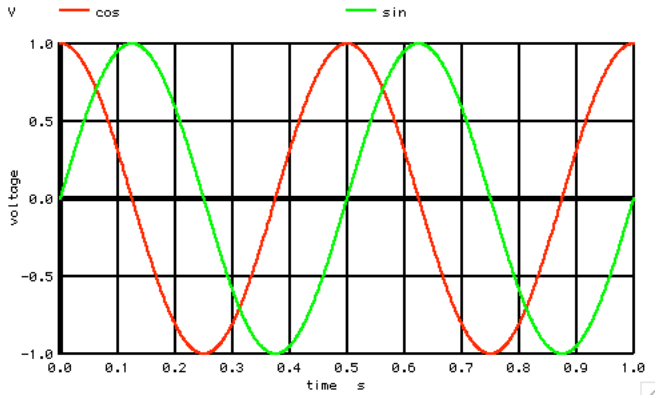


===SIMPLE_WAVEFORM_GENERATION===

GENERATE TRANSIENT WAVEFORMS FROM EQUATIONS.



SIMPLE_WAVEFORM_GENERATION

```

=====Create Signal=====
VTime      VTime  0      DC      0      PWL(    0    0    1    1)
VSQ        SQ     0      DC      0      PULSE(-1 1 lu lu lu .25 .5)
Vfreq1    Vfreq1  0      DC      2
BCOS      COS    0      V      =      cos(6.2831*V(VFreq1)*V(VTime))
BSIN      SIN    0      V      =      sin(6.2831*V(VFreq1)*V(VTime))
BTRI      TRI    0      V      =      2*acos(cos(6.2831*V(VFreq1)*V(VTime)))/3.141592653589793 -.1
BSAW      SAW    0      V      =      atan(tan(6.2831*V(VFreq1)*V(VTime)))
BSOFT     SOFT   0      V      =      tanh(2*sin(6.2831*V(VFreq1)*V(VTime)))
BPWM      PWM    0      V      =      u(acos(cos(6.2831*V(VFreq1)*V(VTime)))-.3)

.control
*TRAN      TSTEP  TSTOP  TSTART TMAX  ?UIC?
tran       1m     1      0      1m
set        pensize = 2
plot      cos    sin
plot      tri    saw
plot      soft   pwm    sq
.endc
.end
    
```