**f = 100**

**t2=0:0.00005:0.05;**

**pi = 3.14156**

**x2=sin (2 \* pi \* f \* t2);**

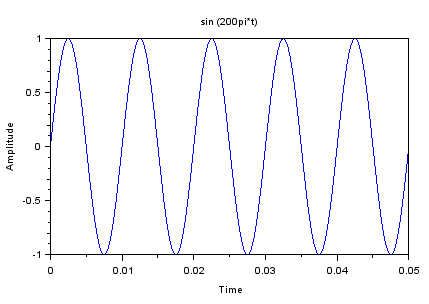
**subplot (2, 2, 1)**

**plot (t2,x2);**

**xlabel('Time');**

**ylabel('Amplitude');**

**title ("sin (200pi\*t)");**

****

**x2=sin ((2 \* pi \* f \* t2) + (pi / 6));**

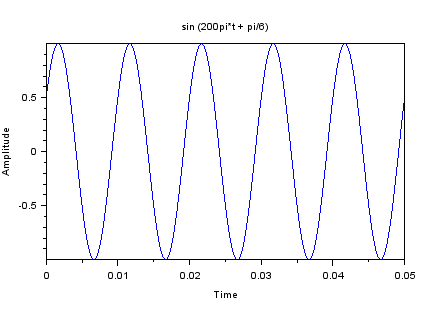
**subplot (2, 2, 2)**

**plot (t2,x2);**

**xlabel('Time');**

**ylabel('Amplitude');**

**title ("sin (200pi\*t + pi/6)");**

****

**x2=sin ((2 \* pi \* f \* t2) - (pi / 6));**

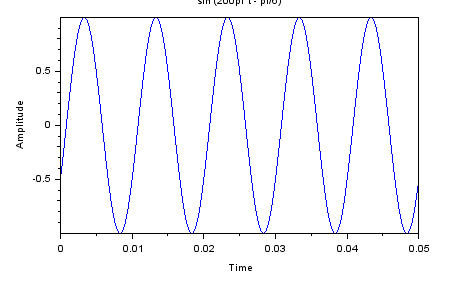
**subplot (2, 2, 3)**

**plot (t2,x2);**

**xlabel('Time');**

**ylabel('Amplitude');**

**title ("sin (200pi\*t - pi/6)");**

****

**f = 100**

**t2=0:0.00005:0.05;**

**pi = 3.14156**

**x2=cos (2 \* pi \* f \* t2);**

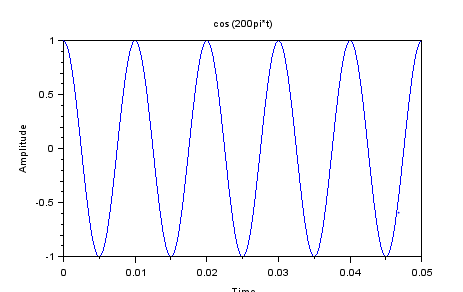
**subplot (2, 2, 1)**

**plot (t2,x2);**

**xlabel('Time');**

**ylabel('Amplitude');**

**title ("cos (200pi\*t)");**

****

**x2=cos ((2 \* pi \* f \* t2) + (pi / 6));**

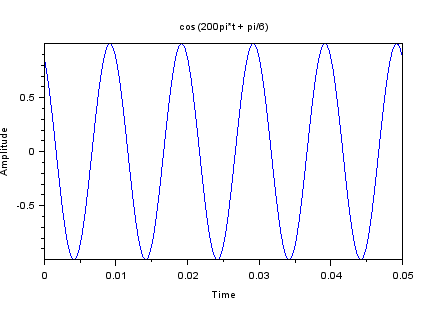
**subplot (2, 2, 2)**

**plot (t2,x2);**

**xlabel('Time');**

**ylabel('Amplitude');**

**title ("cos (200pi\*t + pi/6)");**

****

**x2=cos ((2 \* pi \* f \* t2) - (pi / 6));**

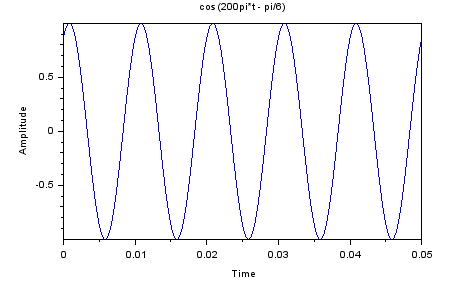
**subplot (2, 2, 3)**

**plot (t2,x2);**

**xlabel('Time');**

**ylabel('Amplitude');**

**title ("cos (200pi\*t - pi/6)");**

****