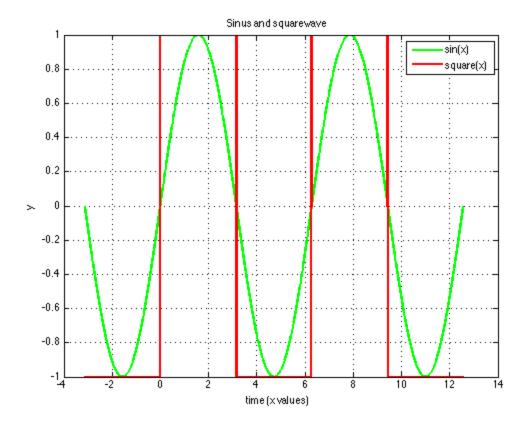
```
function [ ] = Sinus()
x=(-pi:0.001:4*pi);
f=figure(1);
title('Sinus and squarewave')
axis('auto')
q=plot(x,sin(x)), xlabel('time (x values)'), ylabel('y'), grid on
set(q,'Color','green','LineWidth',2)
legend('sin(x)', 'square(x)')
hold on
for i=1:length(x)
if \sin(x(i)) < 0
wave(i)=-1;
else
wave(i)=1;
end
end
p=plot(x,wave)
set(p,'Color','red','LineWidth',2)
end
        q =
          422.0012
        p =
          418.0012
```



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