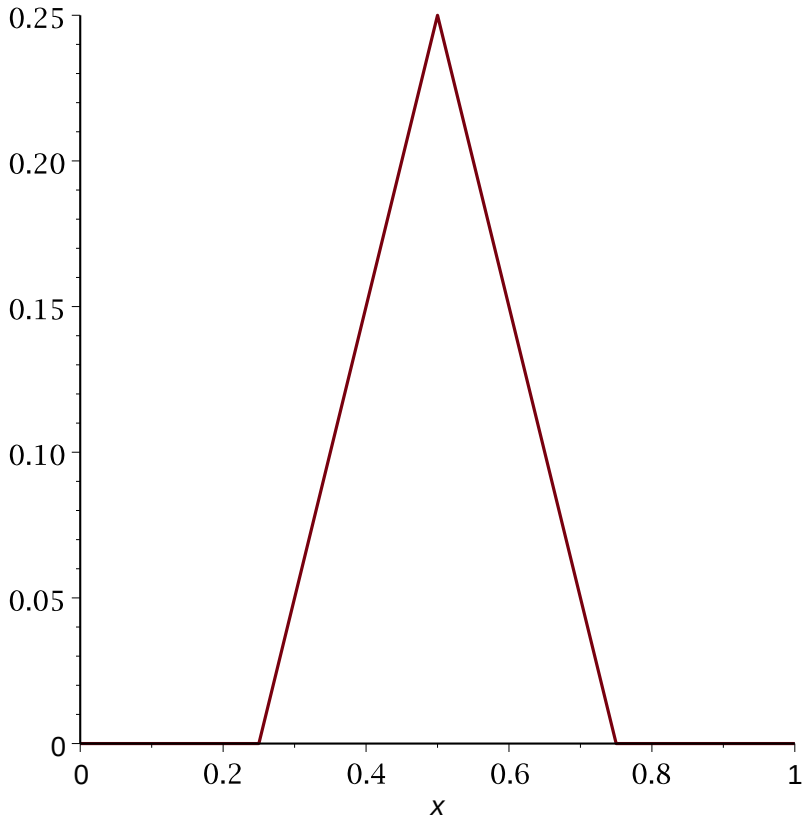
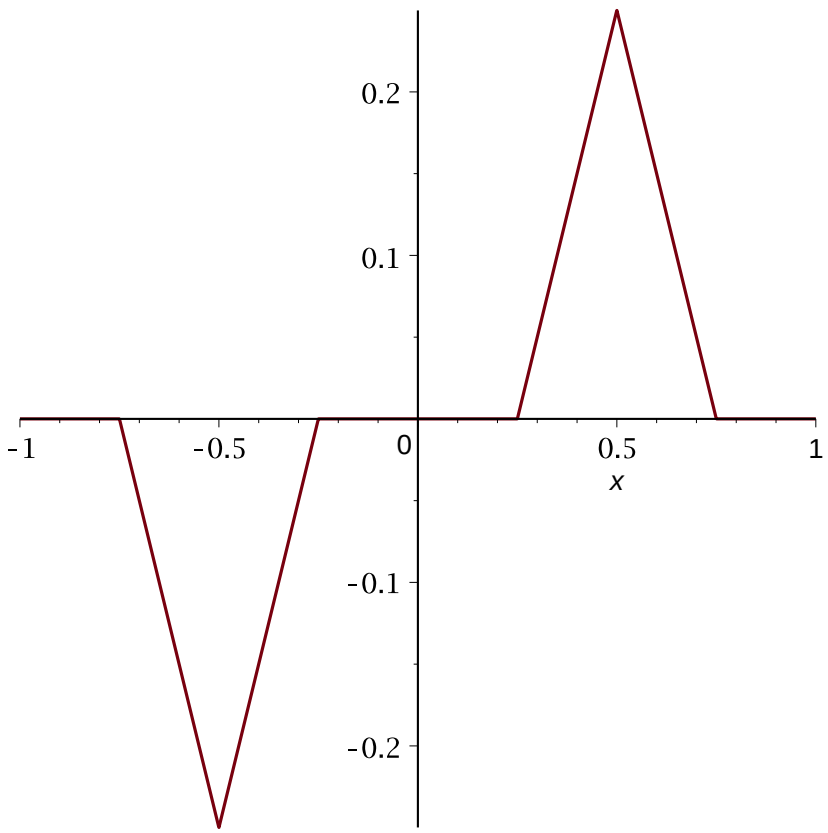
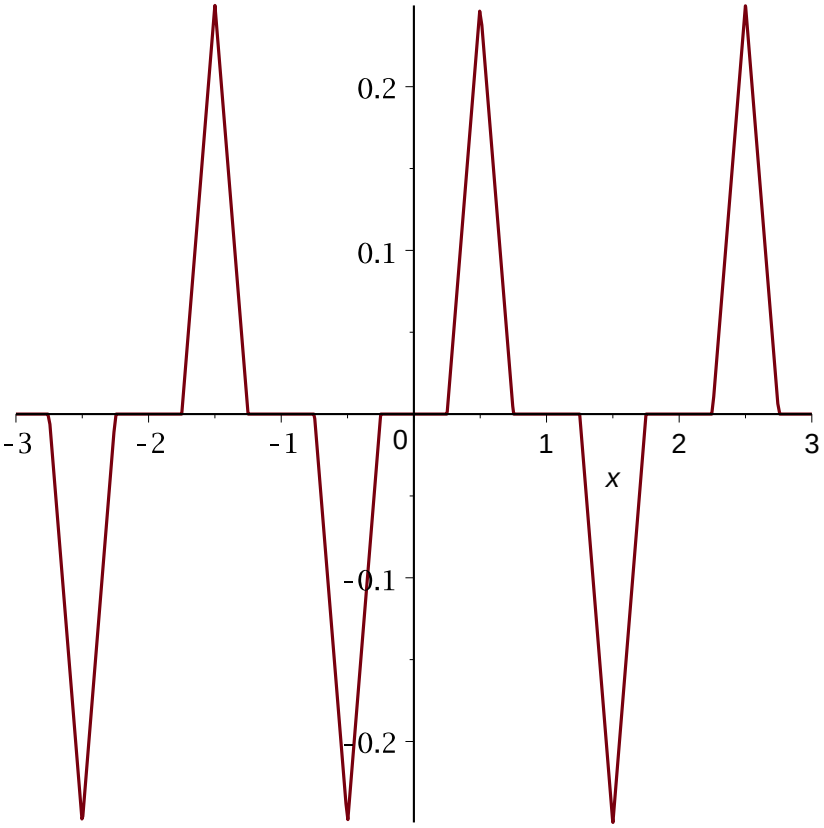
```
> with(plots):
> u := x-> Heaviside(x):
> g1 := x-> (u(x-1/4)-u(x-1/2))*(x-1/4)+(u(x-1/2)-u(x-3/4))*(-
  x+3/4):
> plot(g1(x), x=0..1);
```



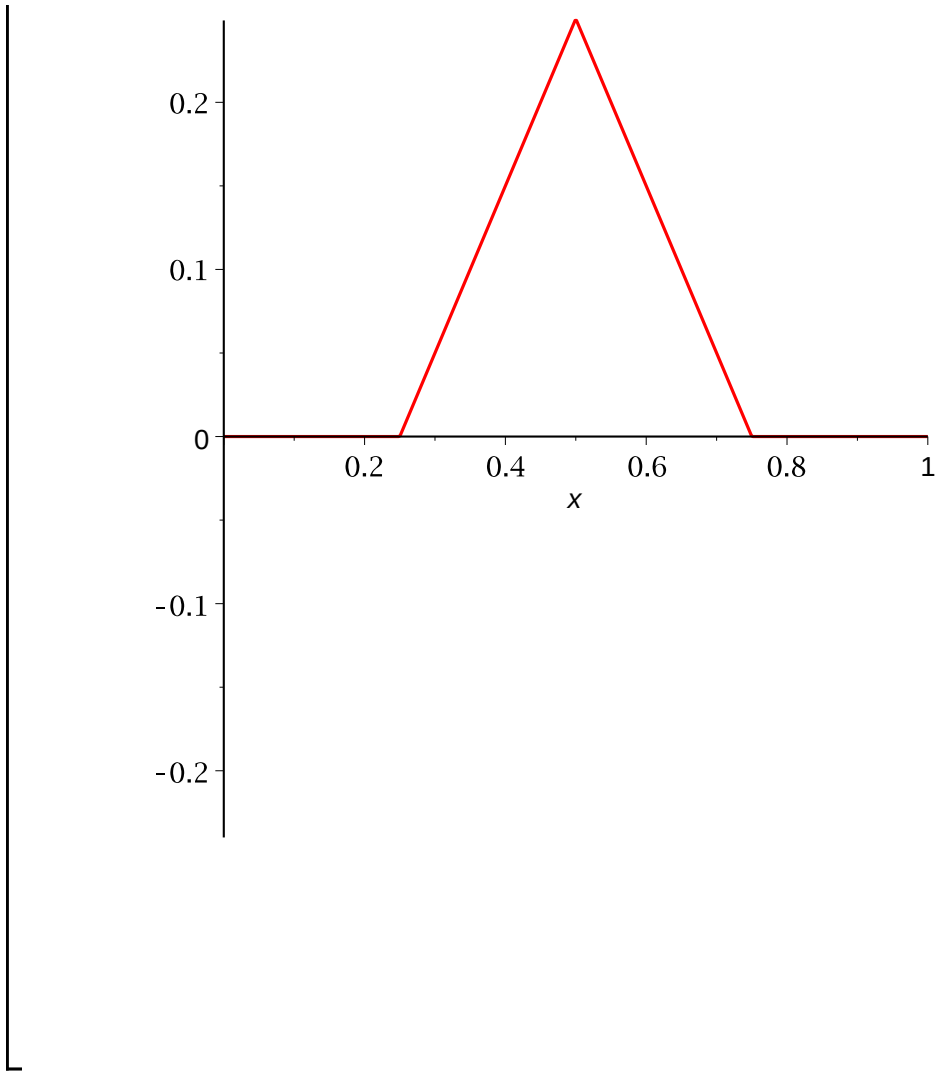

```
> g := x-> g1(x)-g1(-x):
> plot(g(x),x=-1..1);
```




```
> f := x-> sum( g(x+n*2), n=-2..2):
> plot(f(x), x=-3..3);
```




```
> animate((1/2)*(f(x+t)+f(x-t)),x=0..1, t=0..4,numpoints=500,
  frames=100);
```


0.2
0.1
0
-0.1
-0.2
0.2
0.4
0.6
0.8
1
x