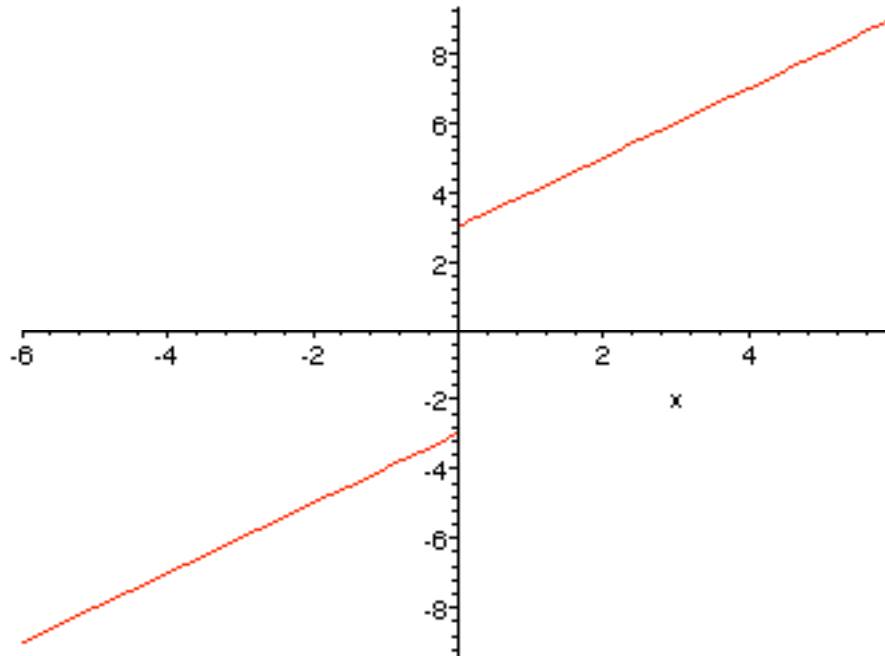


```

> ?plots
> with(plots):
> f:=piecewise(x<0,-3+x,x<6,3+x):
> plot(f,x=-6..5.99999);

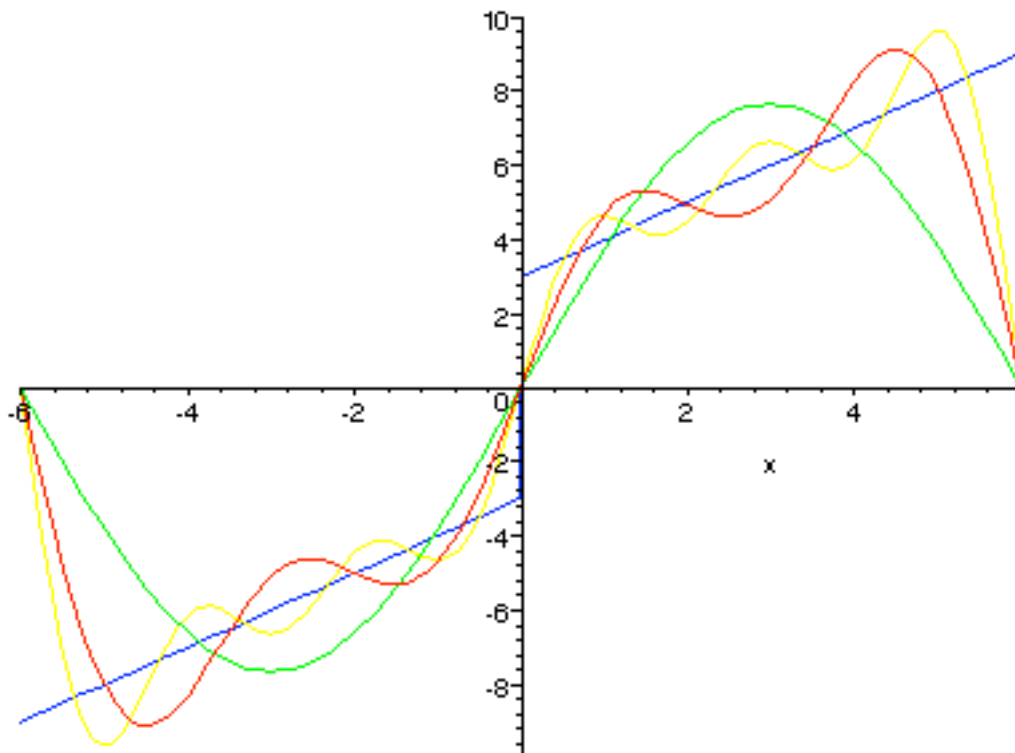
```



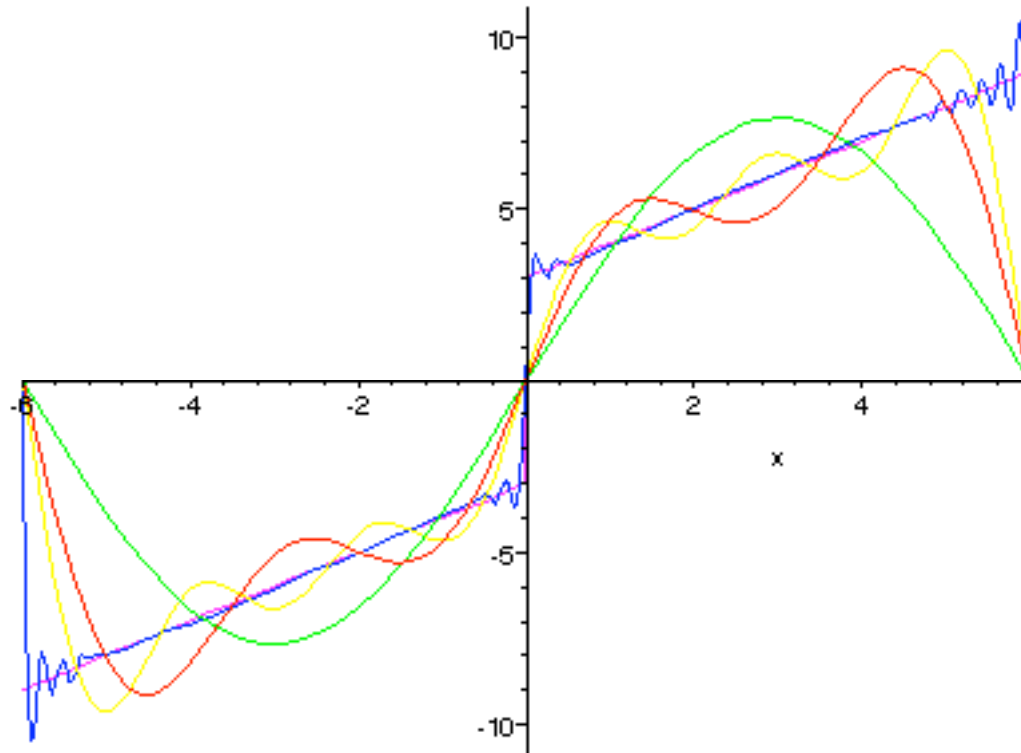
```

> bn1:=2/6*int((3+x)*sin(n*Pi*x/6),x=0..6):
> S11:=sum(bn1*sin(n*Pi*x/6),n=1..1):
> S31:=sum(bn1*sin(n*Pi*x/6),n=1..3):
> S51:=sum(bn1*sin(n*Pi*x/6),n=1..5):
> plot({f,S11,S31,S51},x=-6..5.99999);

```



```
> S501:=sum(bn1*sin(n*Pi*x/6),n=1..50):  
> plot({f,S11,S31,S51,S501},x=-6..5.99999);
```



```
> S1001:=sum(bn1*sin(n*Pi*x/6),n=1..100):  
> plot({f,S1001},x=-6..5.99999);
```

