

```
> f:=x->sin(5*Pi*x)+sin(8*Pi*x);
```

$$f := x \rightarrow \sin(5\pi x) + \sin(8\pi x) \quad (1)$$

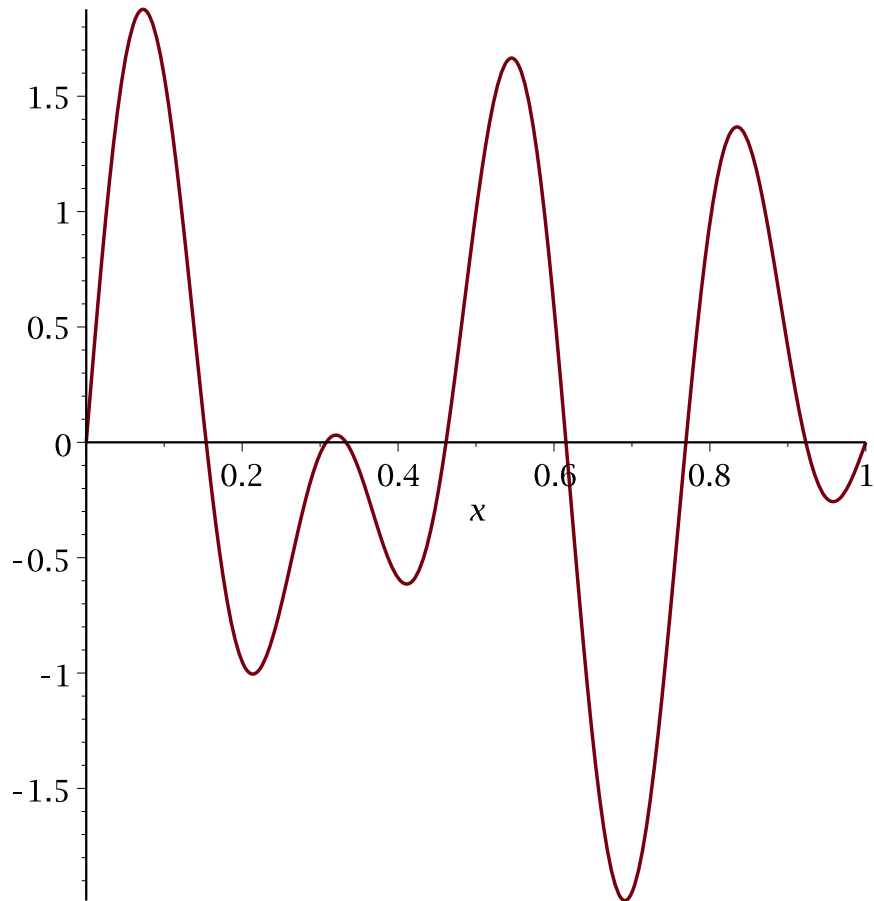
```
> W:=100;
```

$$W := 100 \quad (2)$$

```
> g:=x->sum(f(n/(2*W))*sin(Pi*(2*W*x-n))/(Pi*(2*W*x-n)),n=0..2*W);
```

$$g := x \rightarrow \sum_{n=0}^{2W} \frac{f\left(\frac{1}{2} \frac{n}{W}\right) \sin(\pi(2Wx-n))}{\pi(2Wx-n)} \quad (3)$$

```
> plot(f(x),x=0..1);
```



```
> plot(g(x),x=0..1);
```

