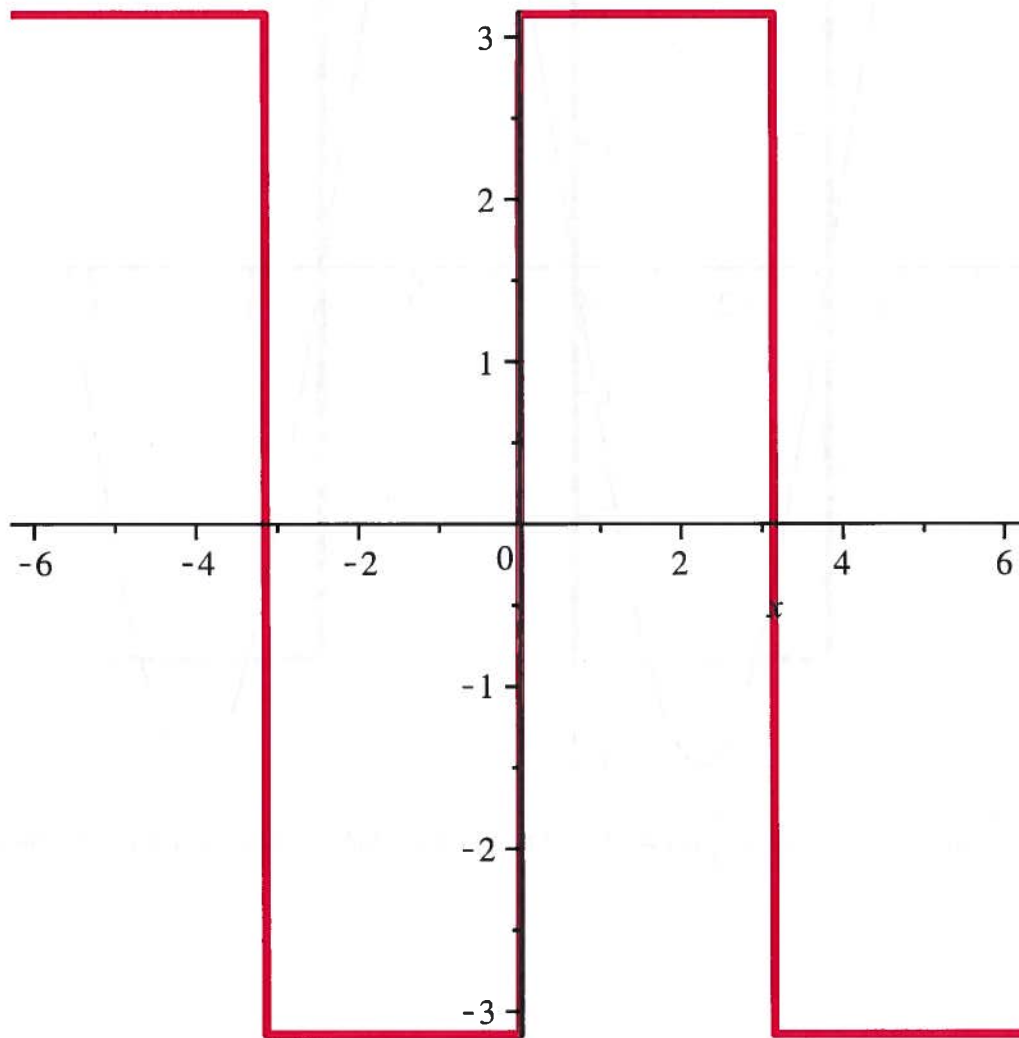
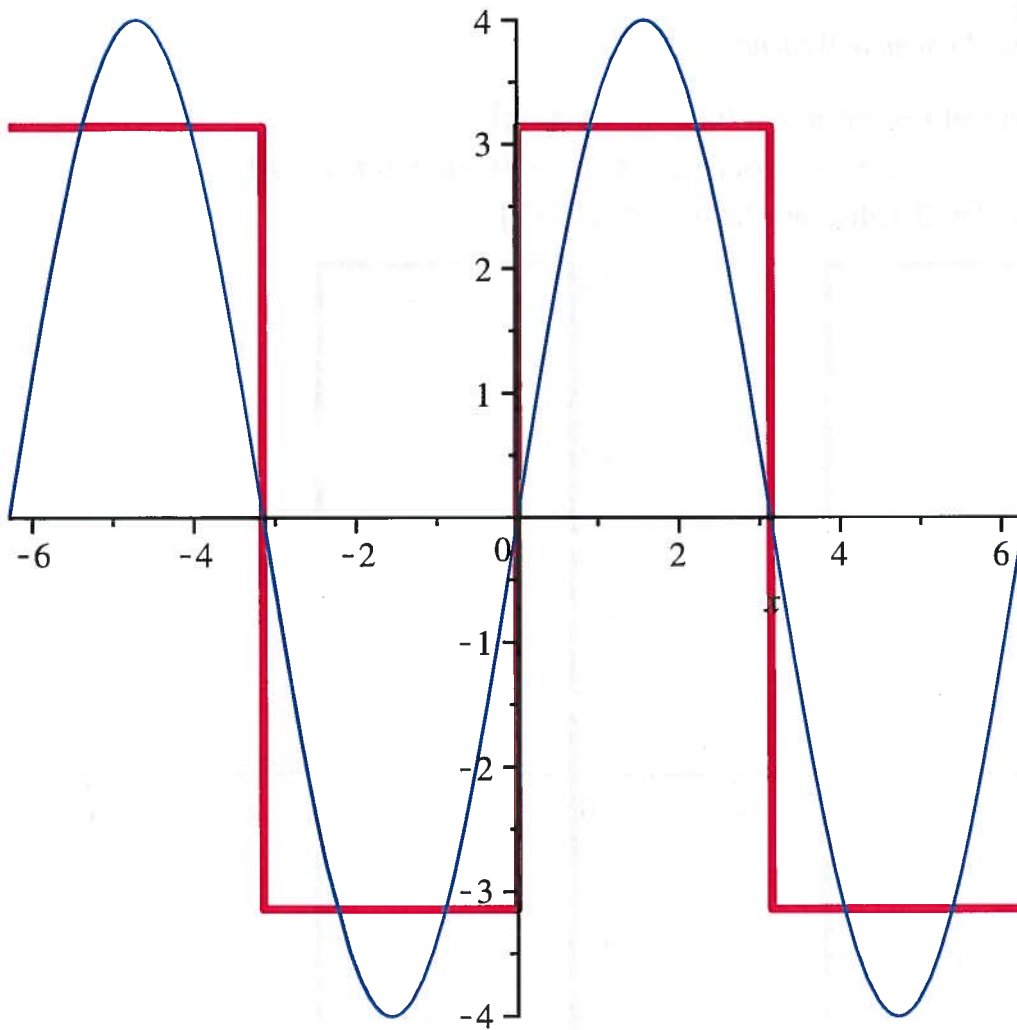


```
# Dylan Zwick  
# Maple Project 4 Example Writeup
```

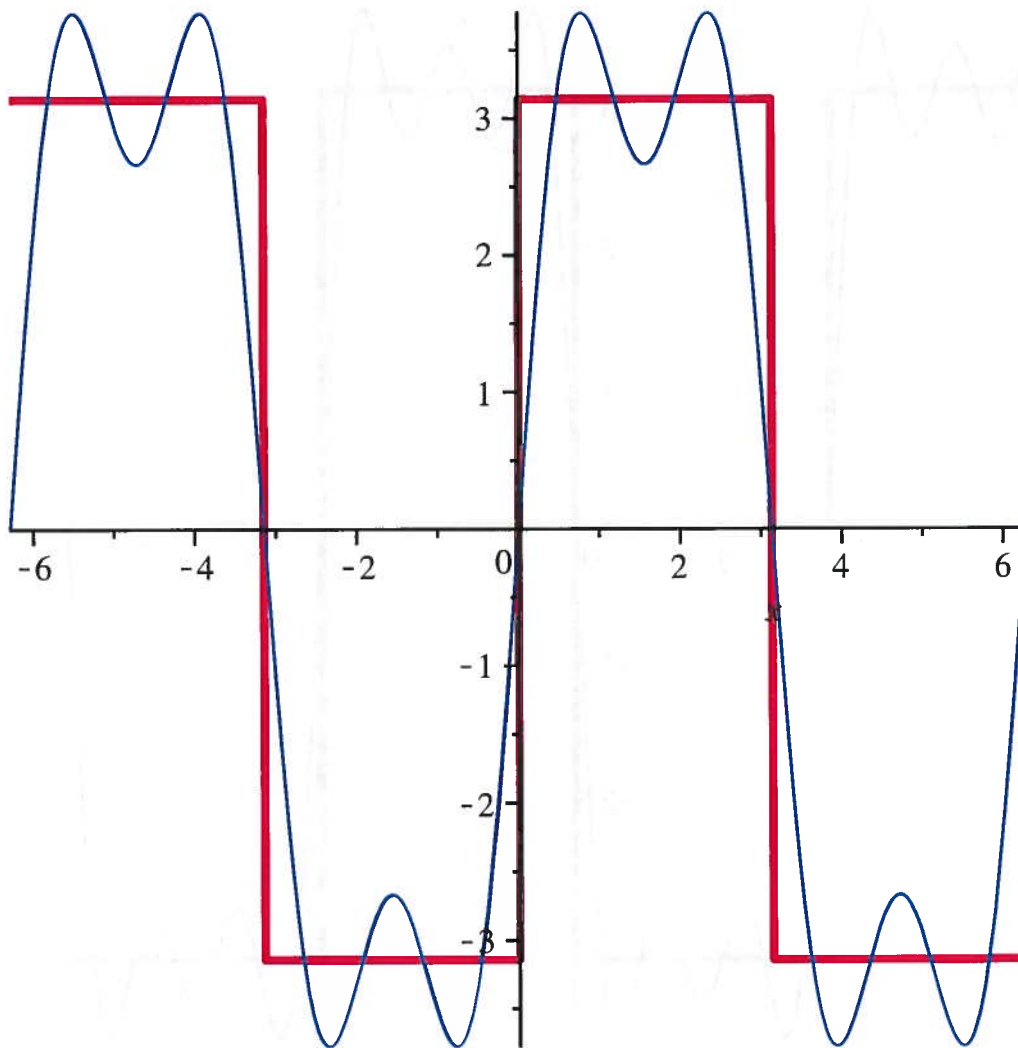
```
f := x → piecewise(x ≤ -π, π, x < 0, -π, x ≤ π, π, -π);  
x → piecewise(x ≤ -π, π, x < 0, -π, x ≤ π, π, -π) (1)  
plot(f(x), x = -2 π..2 π, discontinuity = false, thickness = 3);
```



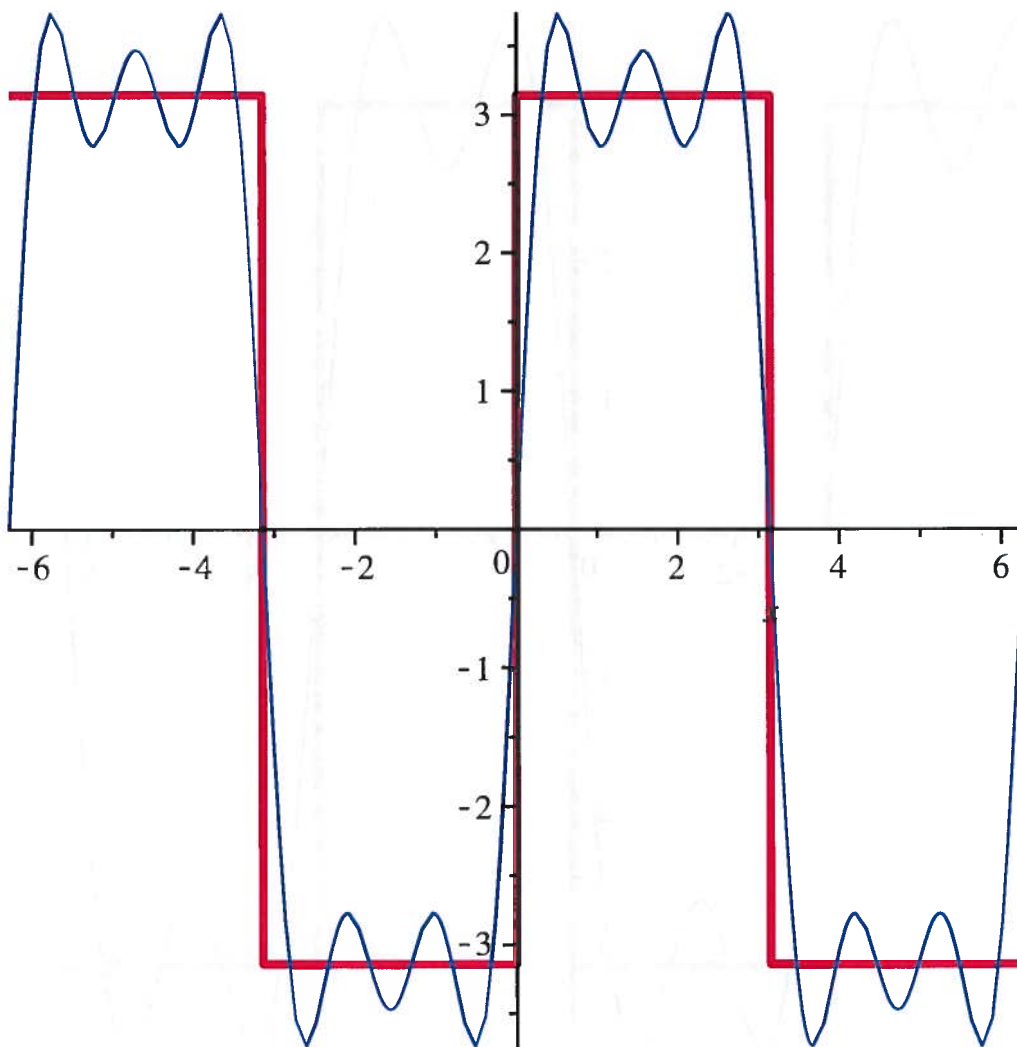
```
plot([f(x), 4 sin(x)], x = -2 π..2 π, discontinuity = false, color = [red, blue], thickness = [3, 1]);
```



$plot\left(\left[f(x), 4 \cdot \left(\sin(x) + \frac{1}{3} \sin(3x)\right)\right], x = -2\pi \dots 2\pi, \text{discont} = \text{false}, \text{color} = [\text{red}, \text{blue}], \text{thickness} = [3, 1]\right);$



```
plot([f(x), 4 * (sin(x) + 1/3 * sin(3x) + 1/5 * sin(5x))], x = -2 * pi .. 2 * pi,
      discount = false, color = [red, blue],
      thickness = [3, 1]);
```



$plot\left(\left[f(x), 4 \cdot \left(\sin(x) + \frac{1}{3}\sin(3x) + \frac{1}{5}\sin(5x) + \frac{1}{7}\sin(7x)\right)\right], x=-2\pi..2\pi, \text{discont}=\text{false}, \text{color}=\text{[red, blue]}, \text{thickness}=\text{[3, 1]}\right);$

