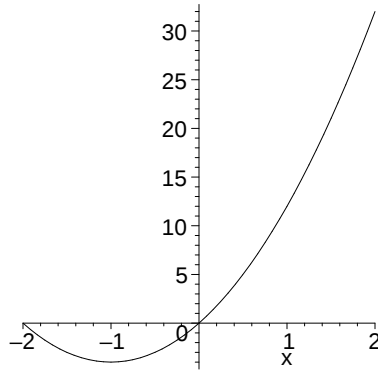
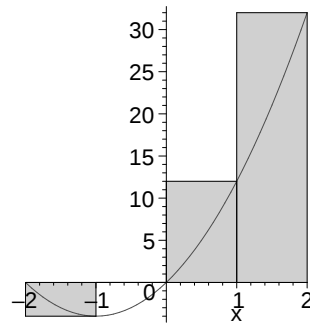


```
[> with(plots):  
Warning, the name changecoords has been redefined  
[> plot(4*x^2+8*x,x=-2..2,color=black);
```

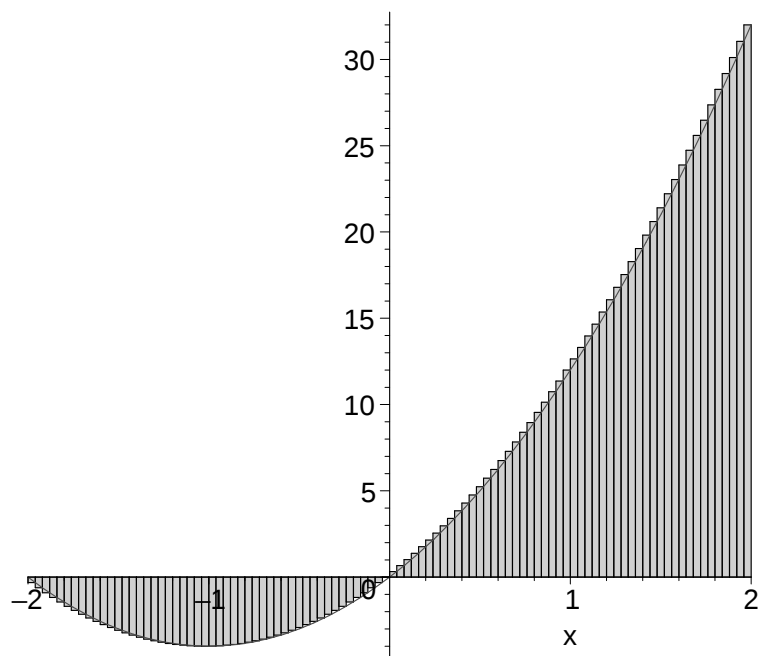


```
[> with(student):  
[> rightbox(4*x^2+8*x,x=-2..2,4);
```



```
[>
```

```
> rightbox(4*x^2+8*x,x=-2..2,100);
```



```
> R[P]:=rightsum(4*x^2+8*x,x=-2..2,100);
```

$$R_p := \frac{1}{25} \left(\sum_{i=1}^{100} \left(4 \left(-2 + \frac{i}{25} \right)^2 - 16 + \frac{8i}{25} \right) \right)$$

```
> evalf(%);
```

21.97760000

```
>
```