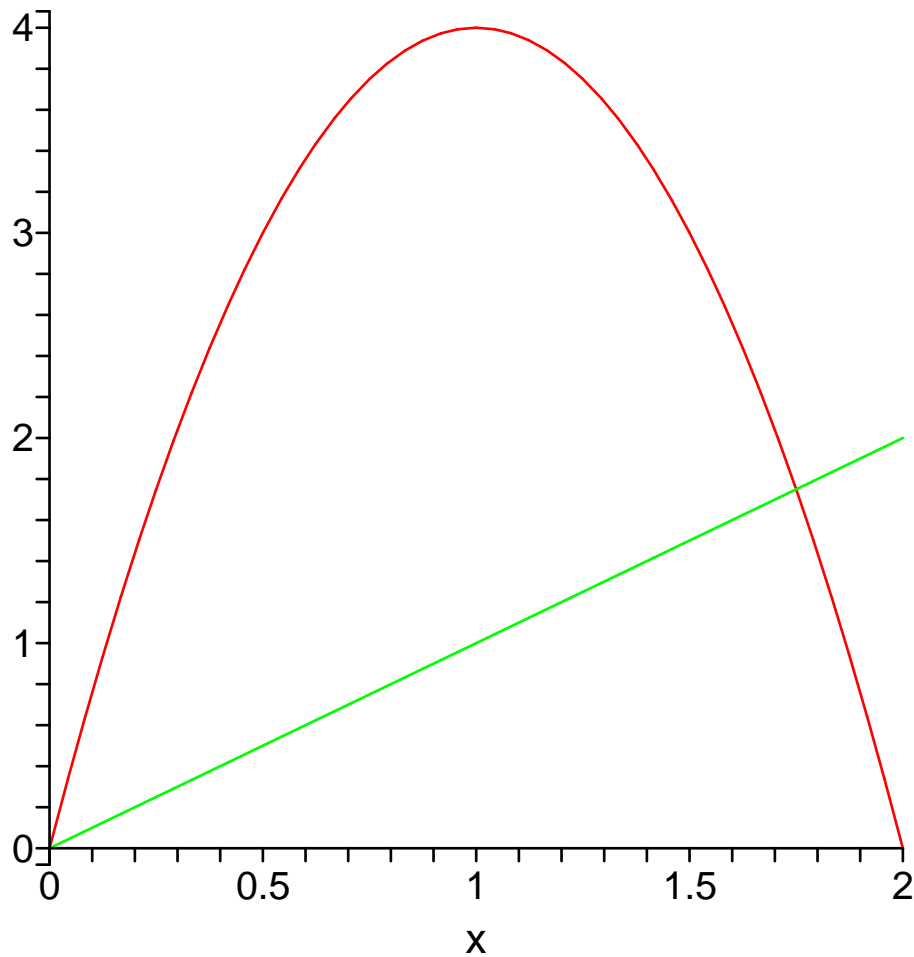


```
> restart;
```

```
> f:=-4*x^2+8*x;  
g:=x;
```

$$f := -4x^2 + 8x$$
$$g := x$$

```
> plot([f,g],x=0..2);
```



```
> solve(f=g,x);
```

$$0, \frac{7}{4}$$

```
> Ax:=int(Pi*(f^2-g^2),x=0..7/4);
```

$$Ax := \frac{2401}{160} \pi$$

```
> evalf(Ax);
```

$$47.14352476$$

```
> Ay:=int(2*Pi*x*(f-g),x=0..7/4);
```

$$Ay := \frac{2401}{384} \pi$$

```
> evalf(Ay);
```

19.64313532

```
>
```