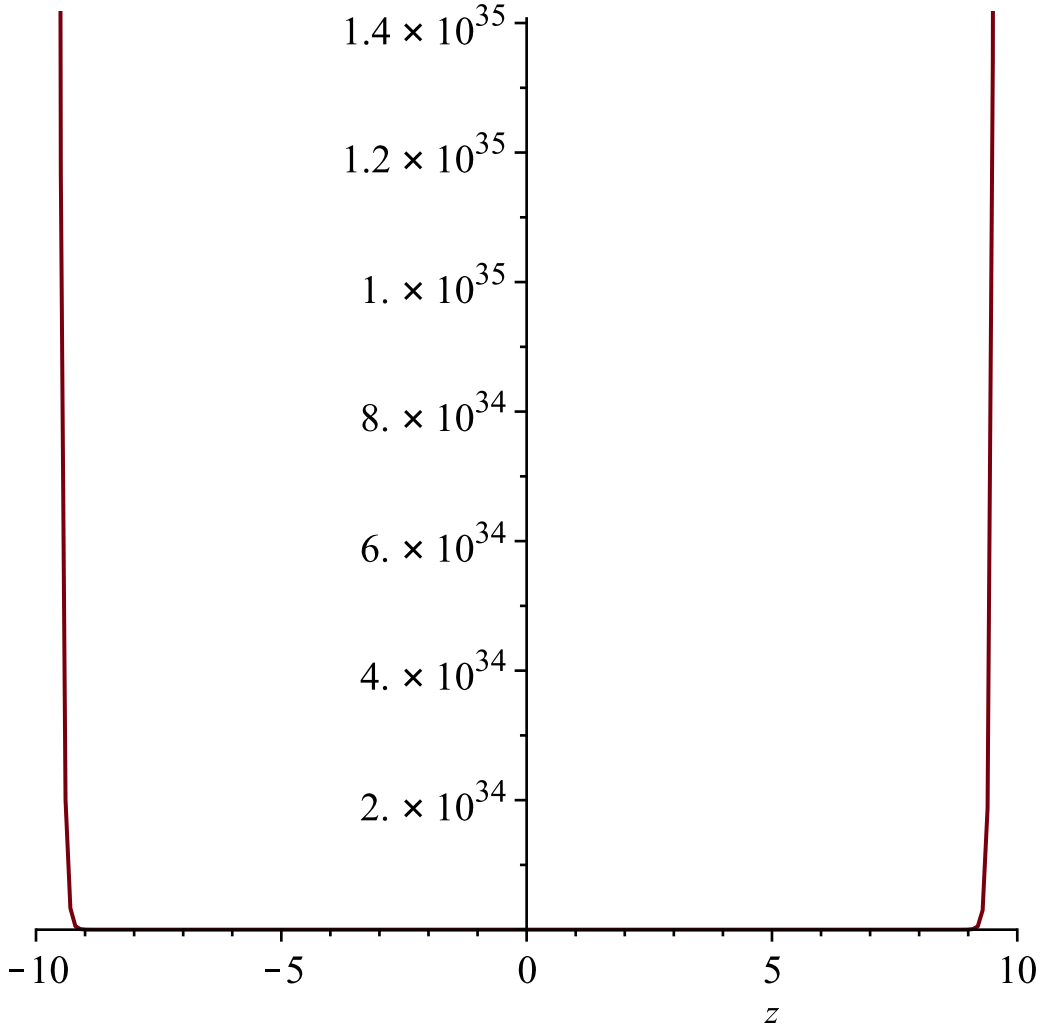
```
> restart;
> phi:=(nu)->(CylinderD(nu,sqrt(2)*z)+CylinderD(nu,-sqrt(2)*z))*exp
  (z^2/2);
```

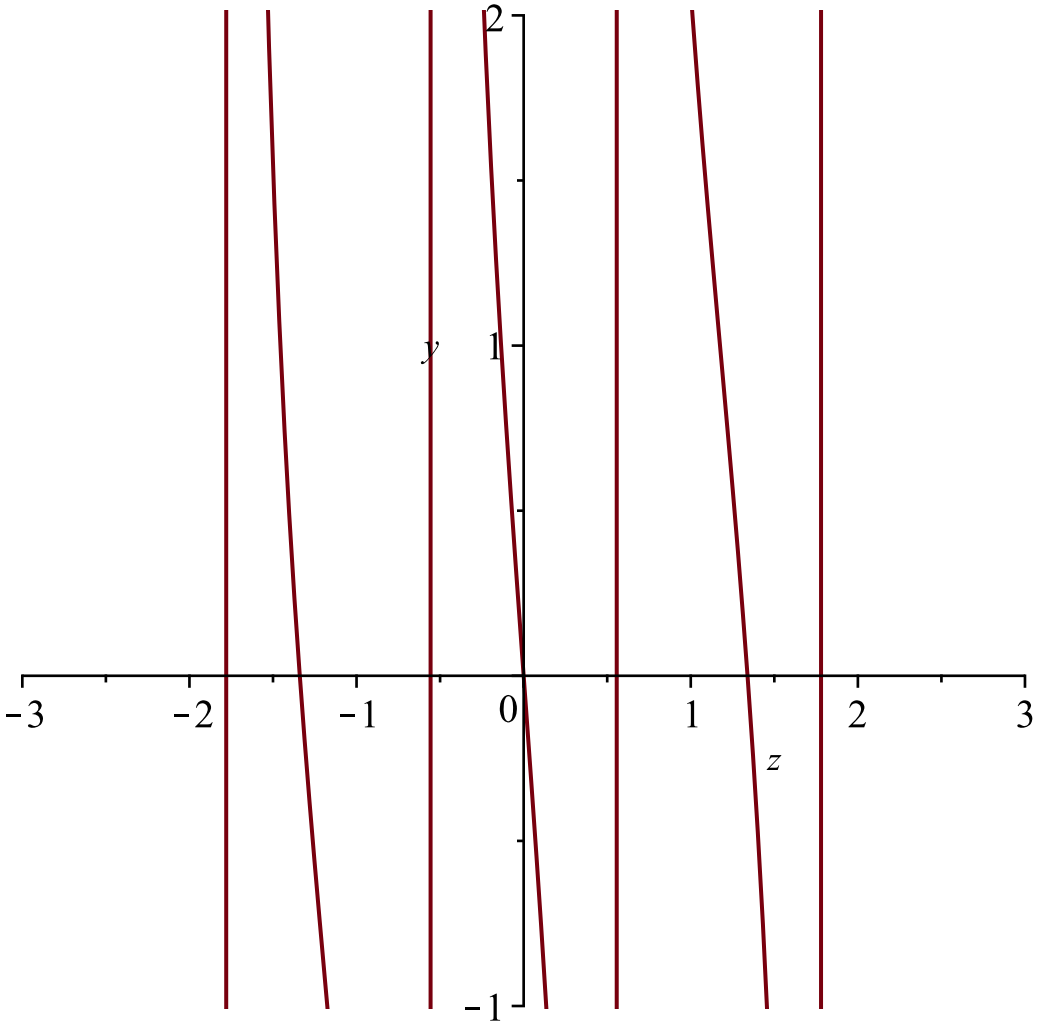
$$\phi := \nu \rightarrow \left(\text{CylinderD}\left(\nu, \sqrt{2}\, z\right) + \text{CylinderD}\left(\nu, -\sqrt{2}\, z\right)\right) e^{\frac{1}{2} z^2} \tag{1}$$

```
> mu:=7/2;
```

$$\mu := \frac{7}{2} \tag{2}$$

```
> plot(phi(mu),z);plot(diff(ln(phi(mu)),z),z=-3..3,y=-1..2);
```

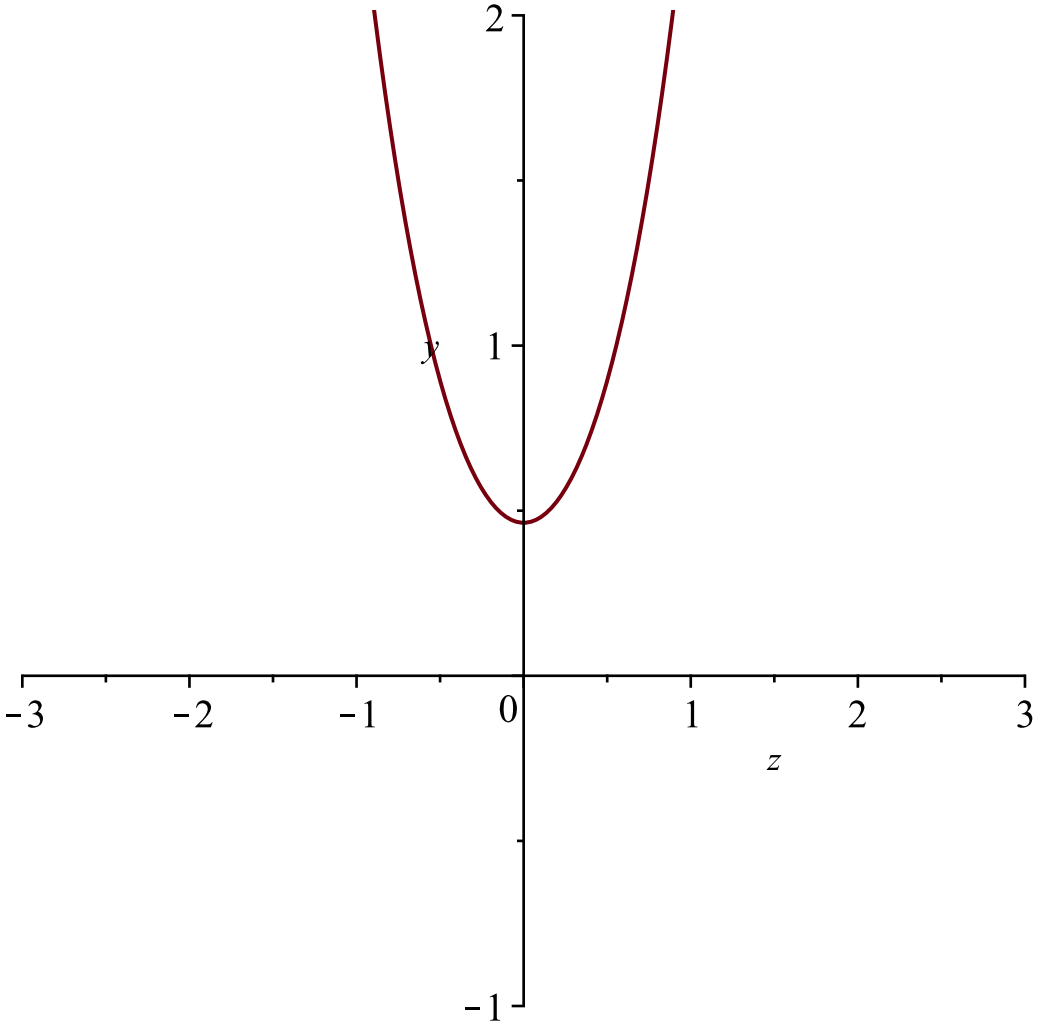


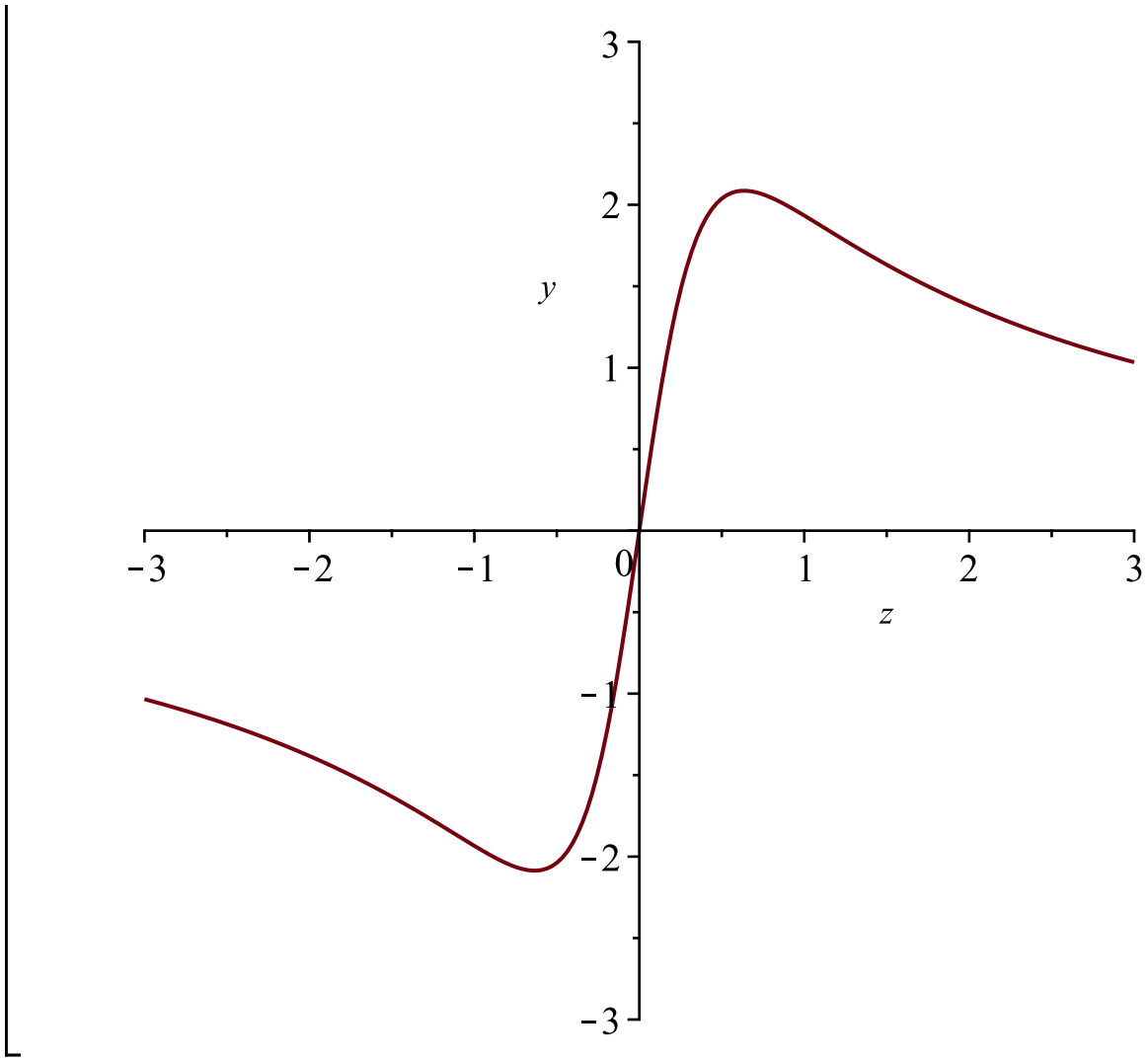



```
> phi:=(nu)->(CylinderD(-1-nu,sqrt(2)*z)+CylinderD(-1-nu,-sqrt(2)*
  z))*exp(-z^2/2);
```

$$\phi := \nu \to \left(\text{CylinderD}\left(-1-\nu, \sqrt{2}\, z\right) + \text{CylinderD}\left(-1-\nu, -\sqrt{2}\, z\right)\right) e^{-\frac{1}{2} z^2} \qquad (3)$$

```
> plot(phi(mu),z=-3..3,y=-1..2);plot(diff(ln(phi(mu)),z),z=-3..3,y=
  -3..3);
```


2
1
y
-1
-3
-2
-1
0
1
2
3
z


3
2
y
1
-3
-2
-1
0
1
2
3
z
-1
-2
-3