

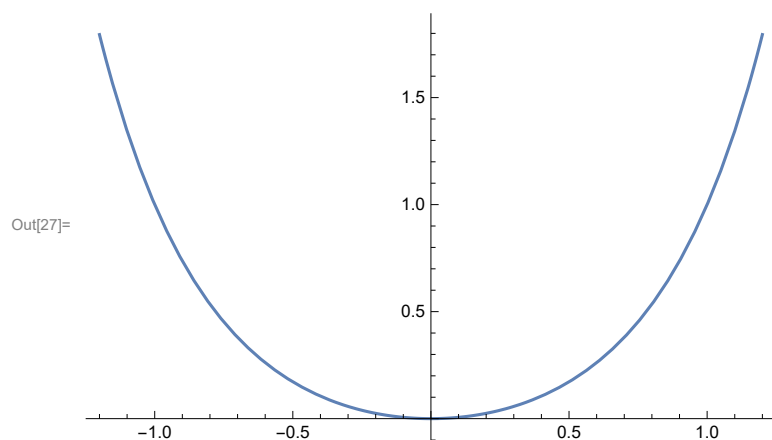
Zadanie 4

Podpunkt 1.

In[25]:= $f[x_] := x^2 e^{\frac{x^2-1}{2}};$

Podpunkt 2.

In[27]:= `Plot[f[x], {x, -1.2, 1.2}]`



Podpunkt 3.

In[28]:= `limx→∞ f[x]`

Out[28]= ∞

Podpunkt 4.

In[31]:= `f'[x] // Simplify`

Out[31]= $e^{\frac{1}{2}(-1+x^2)} x (2+x^2)$