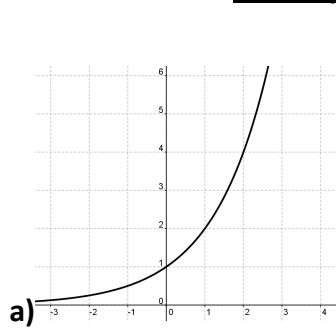
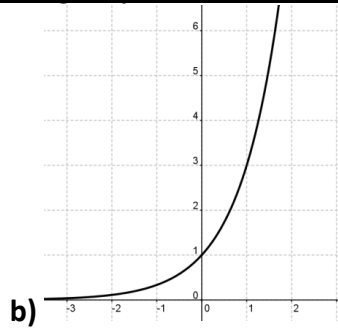


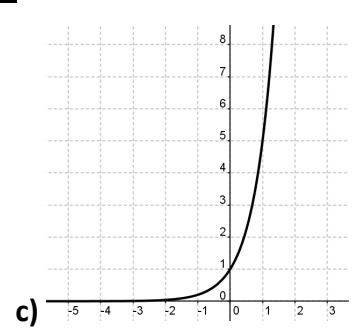
Aus Graphen die zugehörige Exponentialfunktion herleiten



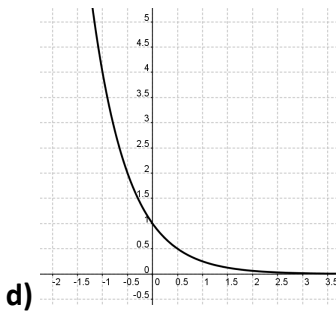
a) $f(x)=2^x$ da $f(1)=2$



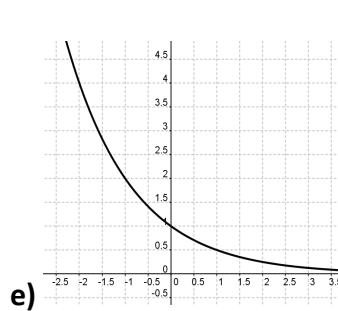
b) $f(x)=3^x$ da $f(1)=3$



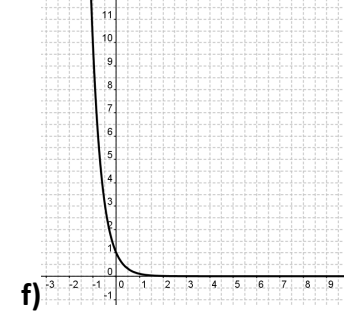
c) $f(x)=5^x$ da $f(1)=5$



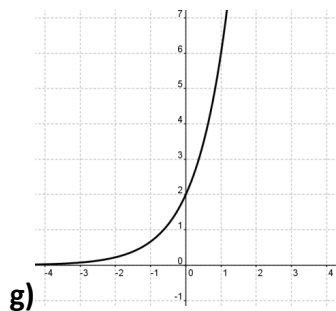
d) $f(x)=0,25^x$ da $f(1)=0,25$ bzw. $f(-1)=4$



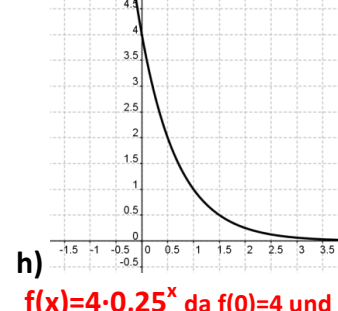
e) $f(x)=0,5^x$ da $f(1)=0,5$ bzw. $f(-1)=2$



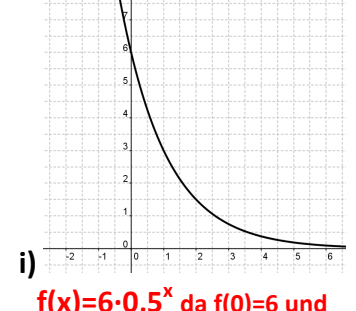
f) $f(x)=0,1^x$ da $f(-1)=10$



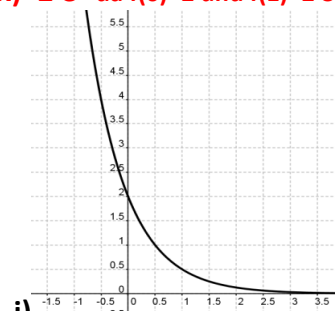
g) $f(x)=2 \cdot 3^x$ da $f(0)=2$ und $f(1)=2 \cdot 3^1=6$



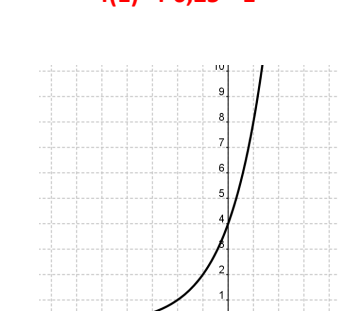
h) $f(x)=4 \cdot 0,25^x$ da $f(0)=4$ und $f(1)=4 \cdot 0,25^1=1$



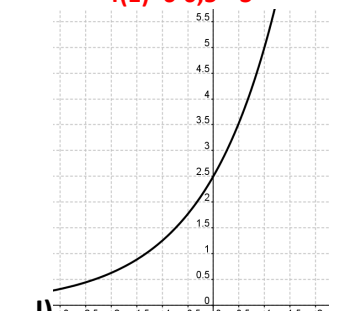
i) $f(x)=6 \cdot 0,5^x$ da $f(0)=6$ und $f(1)=6 \cdot 0,5^1=3$



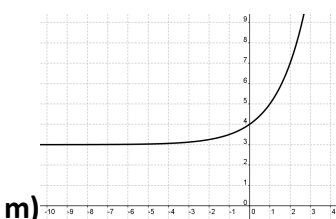
j) $f(x)=2 \cdot 0,25^x$ da $f(0)=2$ und $f(1)=2 \cdot 0,25^1=0,5$



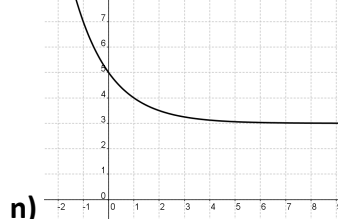
k) $f(x)=4 \cdot 2^x$ da $f(0)=4$ und $f(1)=4 \cdot 2^1=8$



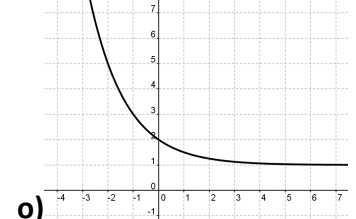
l) $f(x)=2,5 \cdot 2^x$ da $f(0)=2,5$ und $f(1)=2,5 \cdot 2^1=5$



m) $c=3$
 $f(0)=4=a \cdot b^0+3=a+3 \Rightarrow a=1$
 $f(1)=5=1 \cdot b^1+3 \Rightarrow b=2$
 $f(x)=2^x+3$



n) $c=3$
 $f(0)=5=a \cdot b^0+3=a+3 \Rightarrow a=2$
 $f(1)=4=2 \cdot b^1+3 \Rightarrow b=0,5$
 $f(x)=2 \cdot 0,5^x+3$



o) $c=1$
 $f(0)=2=a \cdot b^0+1=a+1 \Rightarrow a=1$
 $f(-1)=3=1 \cdot b^{-1}+1 \Rightarrow b=0,5$
 $f(x)=0,5^x+1$