

• Resolver as equações abaixo:

a)  $2^0 = 1$

d)  $2^3 = 8$

g)  $2^6 = 64$

j)  $2^9 = 512$

b)  $2^1 = 2$

e)  $2^4 = 16$

h)  $2^7 = 128$

k)  $2^{10} = 1024$

c)  $2^2 = 4$

f)  $2^5 = 32$

i)  $2^8 = 256$

l)  $2^{11} = 2048$

• Resolver as equações abaixo:

a)  $\lg_2(2048) \Rightarrow 2048 = 2^x \Rightarrow 2^{11} = 2^x \Rightarrow x = 11$

b)  $\lg_2(1024) \Rightarrow 1024 = 2^x \Rightarrow 2^{10} = 2^x \Rightarrow x = 10$

c)  $\lg_2(512) \Rightarrow 512 = 2^x \Rightarrow 2^9 = 2^x \Rightarrow x = 9$

d)  $\lg_2(256) \Rightarrow 256 = 2^x \Rightarrow 2^8 = 2^x \Rightarrow x = 8$

e)  $\lg_2(128) \Rightarrow 128 = 2^x \Rightarrow 2^7 = 2^x \Rightarrow x = 7$

f)  $\lg_2(64) \Rightarrow 64 = 2^x \Rightarrow 2^6 = 2^x \Rightarrow x = 6$

g)  $\lg_2(32) \Rightarrow 32 = 2^x \Rightarrow 2^5 = 2^x \Rightarrow x = 5$

h)  $\lg_2(16) \Rightarrow 16 = 2^x \Rightarrow 2^4 = 2^x \Rightarrow x = 4$

i)  $\lg_2(8) \Rightarrow 8 = 2^x \Rightarrow 2^3 = 2^x \Rightarrow x = 3$

j)  $\lg_2(4) \Rightarrow 4 = 2^x \Rightarrow 2^2 = 2^x \Rightarrow x = 2$

k)  $\lg_2(2) \Rightarrow 2 = 2^x \Rightarrow 2^1 = 2^x \Rightarrow x = 1$

l)  $\lg_2(1) \Rightarrow 1 = 2^x \Rightarrow 2^0 = 2^x \Rightarrow x = 0$

• Resolver as equações abaixo:

a)  $\lceil \lg_2(17) \rceil = 5$

g)  $\lg(17) = 4,08$

b)  $\lfloor \lg_2(17) \rfloor = 4$

h)  $\lceil \lg_2(17) \rceil = 5$

c)  $\lceil \lg_2(17) \rceil = 5$

i)  $\lfloor \lg_2(17) \rfloor = 4$

d)  $\lfloor \lg_2(17) \rfloor = 4$

j)  $\lg(15) = 3,90$

e)  $\lceil \lg_2(16) \rceil = 4$

k)  $\lceil \lg_2(15) \rceil = 4$

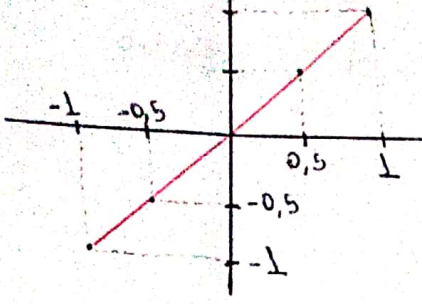
f)  $\lfloor \lg_2(16) \rfloor = 4$

l)  $\lfloor \lg_2(15) \rfloor = 3$

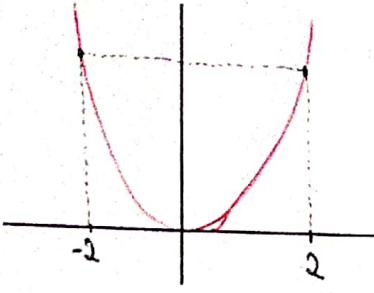


• Plote um gráfico com todas as funções abaixo:

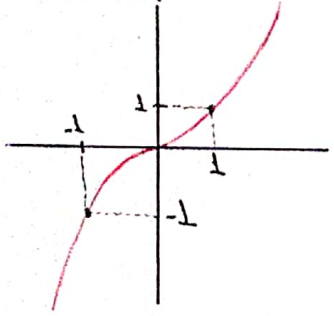
a)  $F(m) = m$



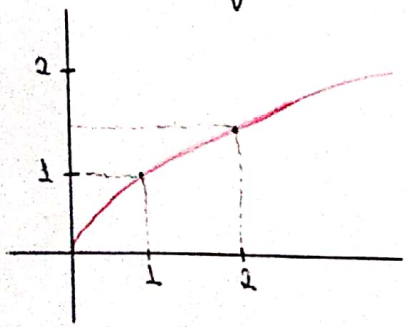
b)  $F(m) = m^2$



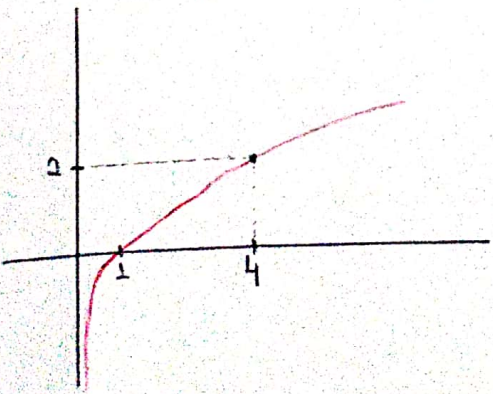
c)  $F(m) = m^3$



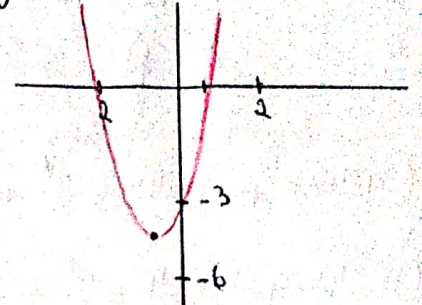
d)  $F(m) = \exp(m)$



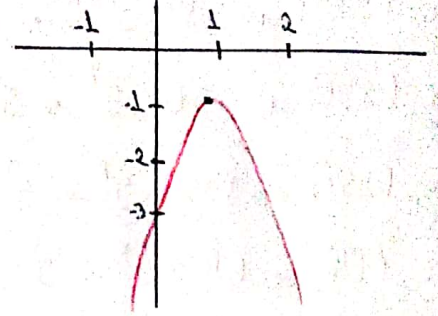
e)  $F(m) = \lg(m) = \log_2(m)$



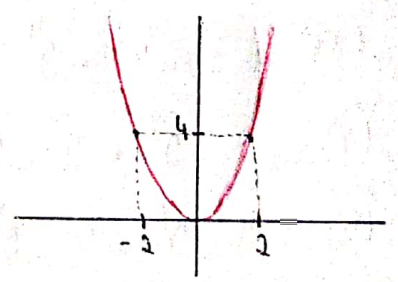
f)  $F(m) = 3m^2 + 5m - 3$



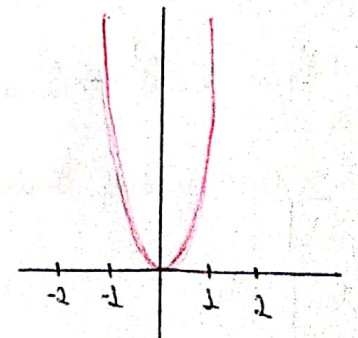
g)  $F(m) = -3m^2 + 5m - 3$



h)  $F(m) = 1 - m^2$



i)  $F(m) = 5m^4 + 2m^2$



j)  $F(m) = m \cdot \lg(m)$

