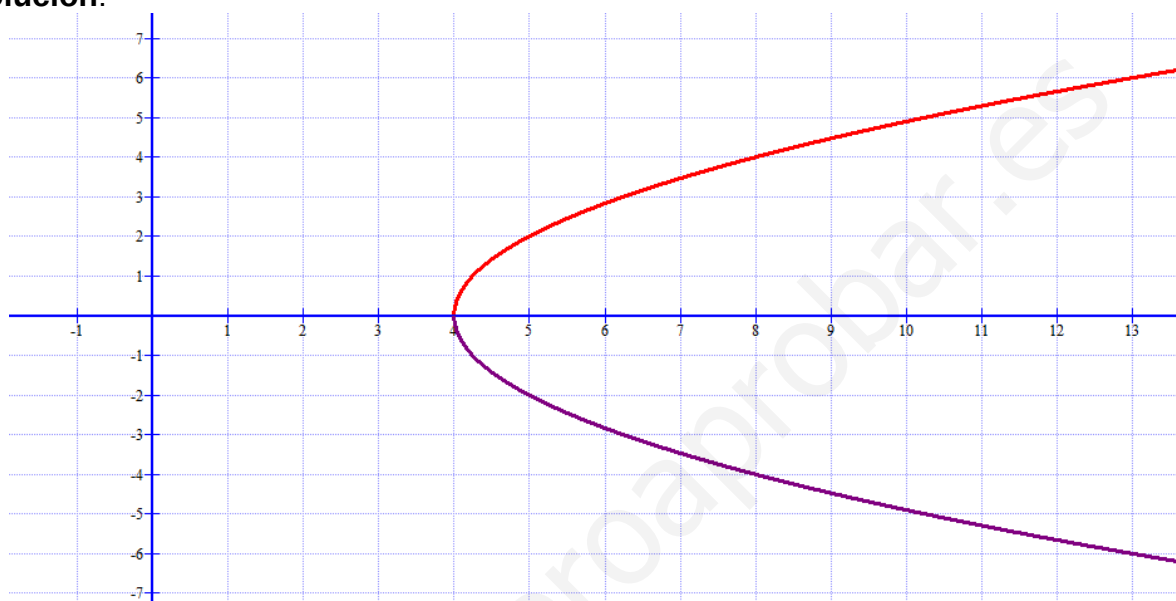


1. Representa las siguientes funciones irracionales en los mismos ejes coordenados y de distinto color:

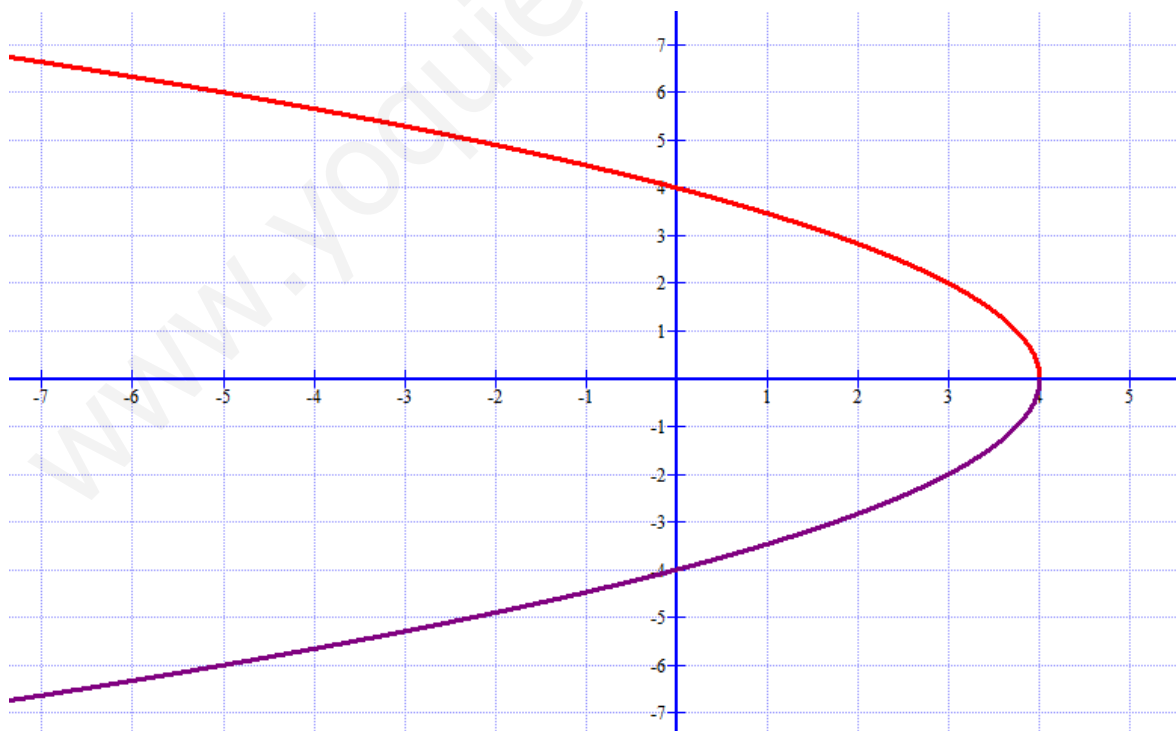
a) $y = 2\sqrt{x-4}$; $y = -2\sqrt{x-4}$

b) $y = 2\sqrt{-x+4}$; $y = -2\sqrt{-x+4}$

Solución:



a)



b)

2. Representa las siguientes funciones irracionales:

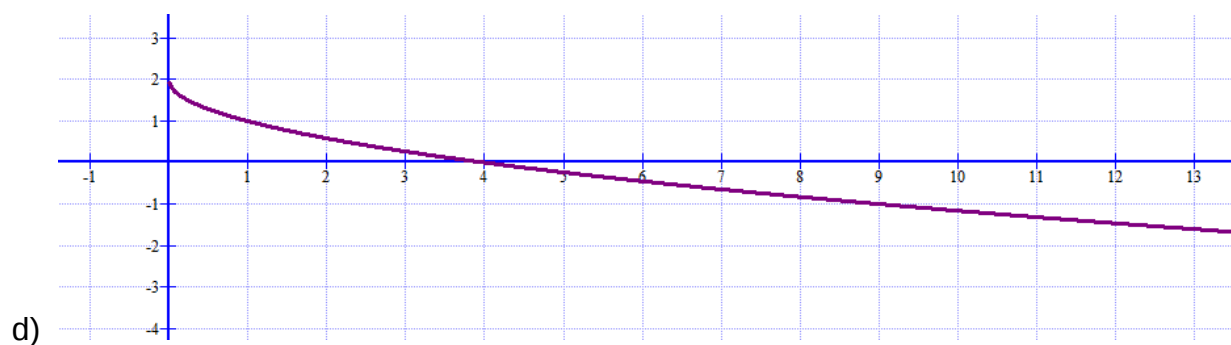
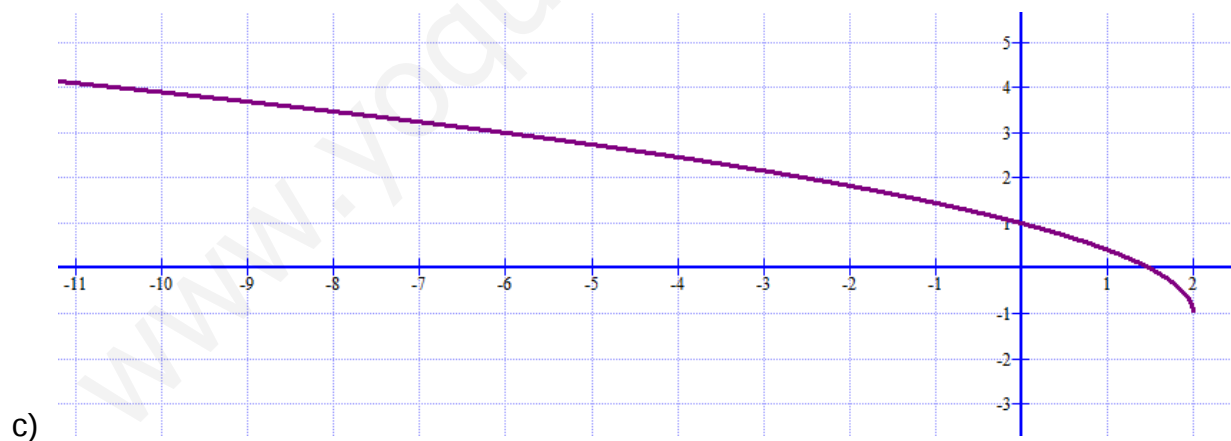
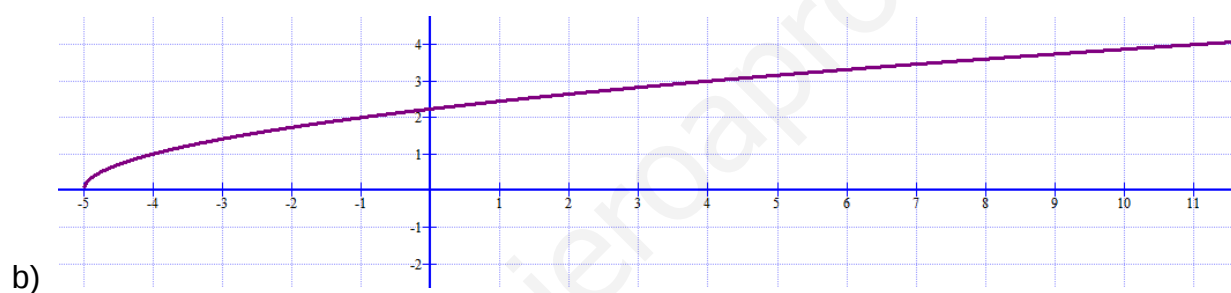
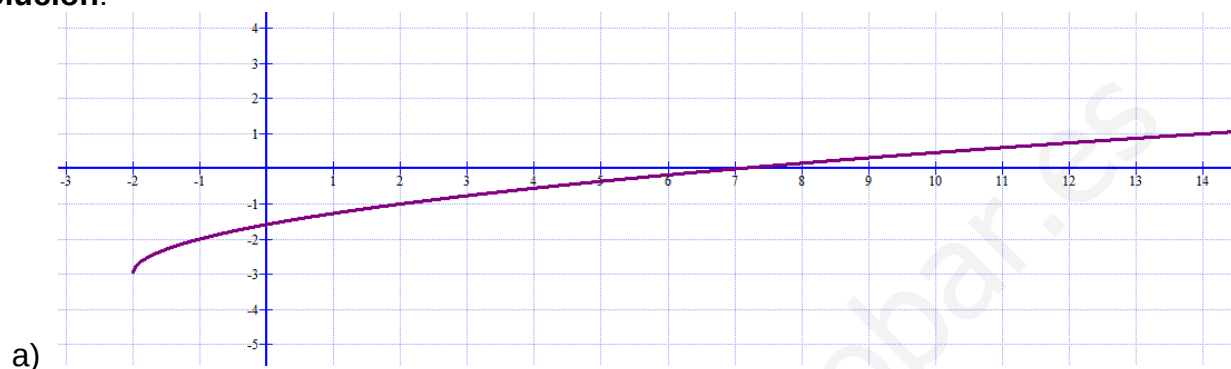
a) $y = -3 + \sqrt{x+2}$

b) $y = \sqrt{x+5}$

c) $y = -1 + \sqrt{-2x+4}$

d) $y = 2 - \sqrt{x}$

Solución:



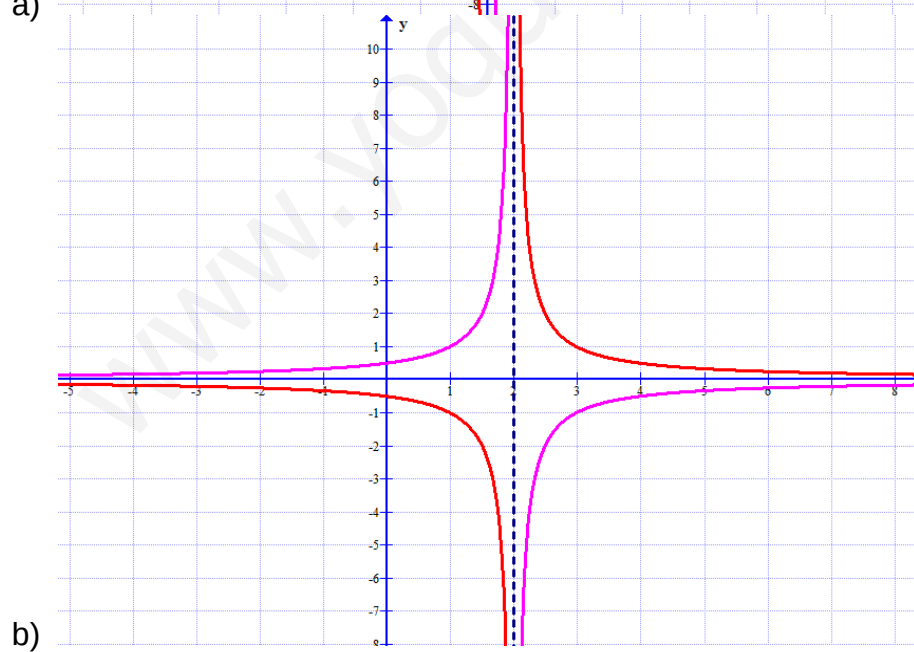
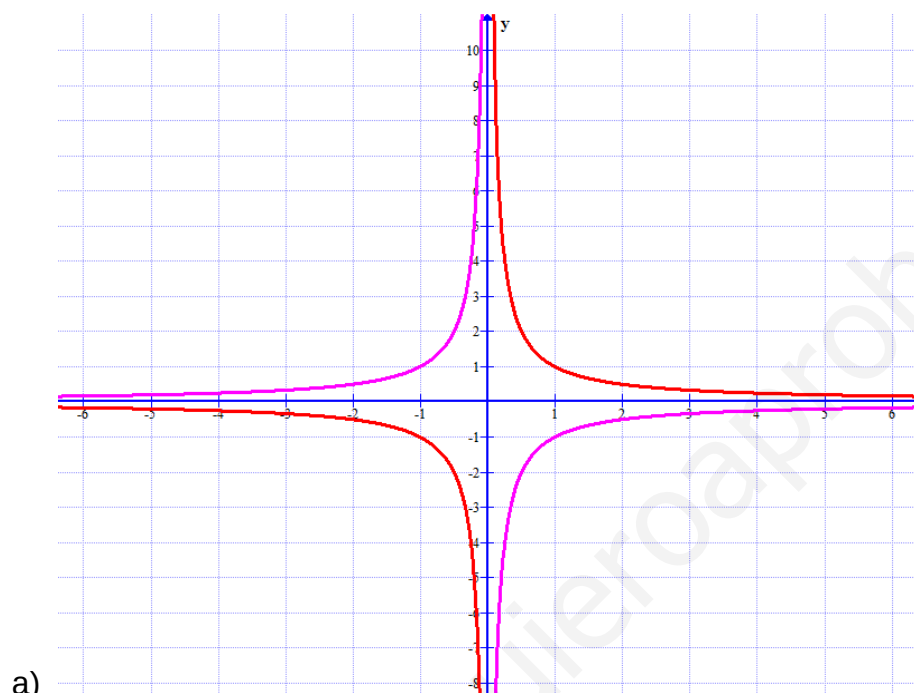
3. Representa las siguientes hipérbolas en los mismos ejes coordenados y de distinto color:

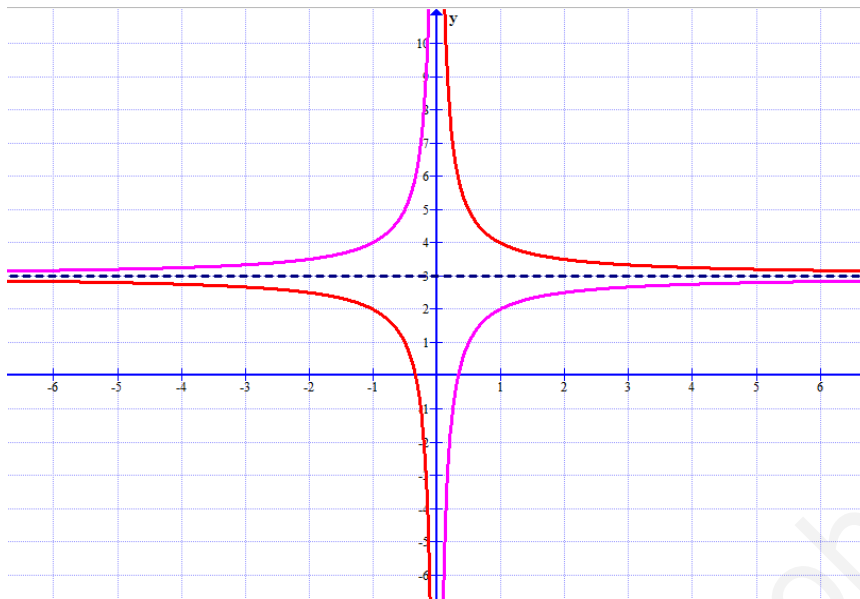
a) $y = \frac{1}{x}$; $y = -\frac{1}{x}$

b) $y = \frac{1}{x-2}$; $y = \frac{-1}{x-2}$

c) $y = \frac{1}{x} + 3$; $y = -\frac{1}{x} + 3$

Solución:





c)

4. Representa las siguientes hipérbolas:

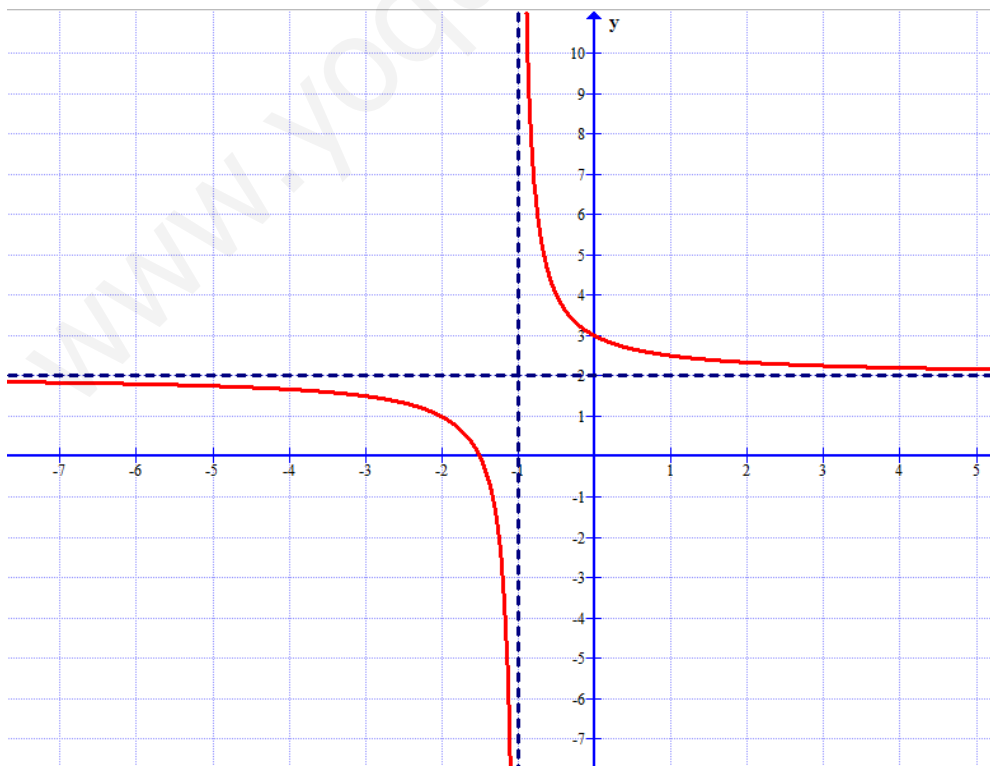
a) $y = \frac{1}{x+1} + 2$

b) $y = \frac{-4}{x-4}$

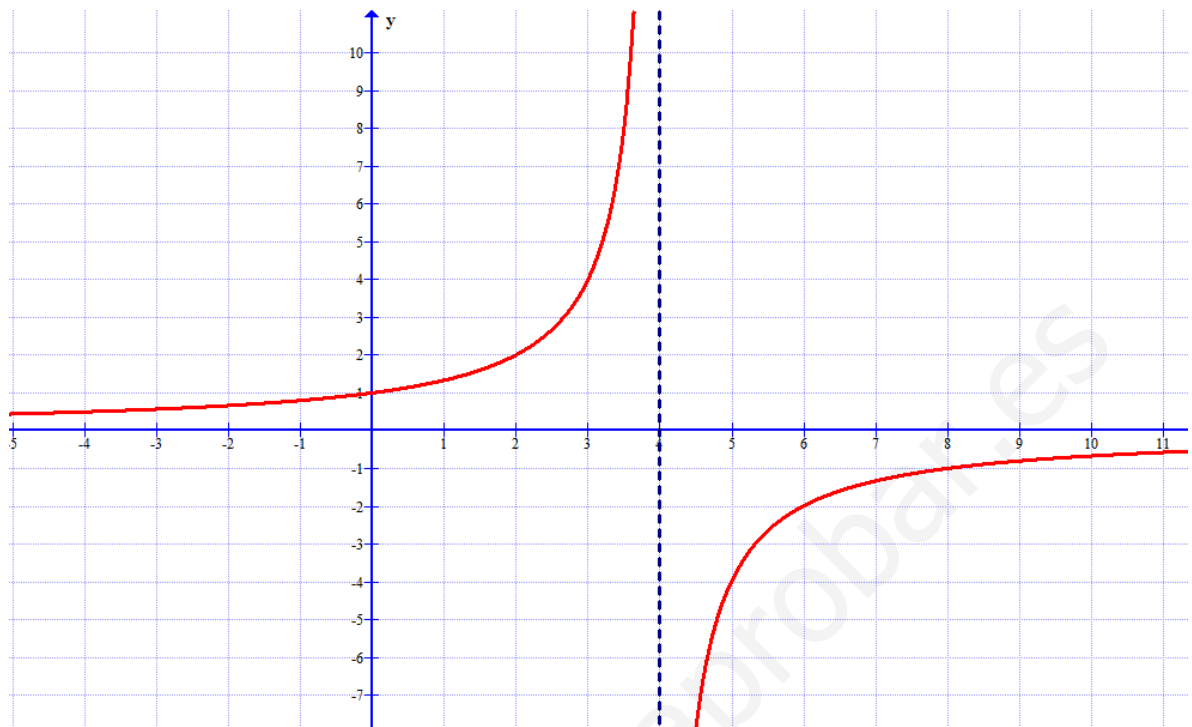
c) $y = \frac{-1}{x-2} + \frac{1}{2}$

d) $y = \frac{-1}{x+3} - 3$

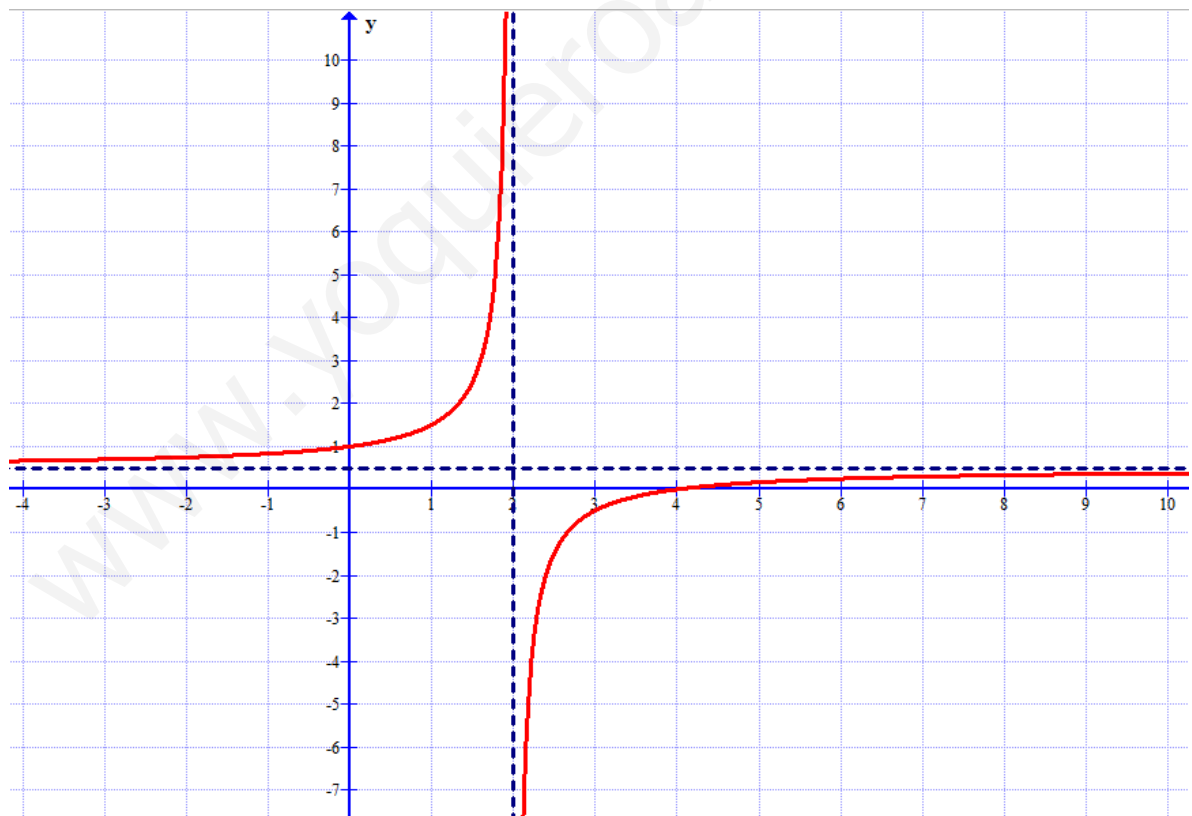
Solución:



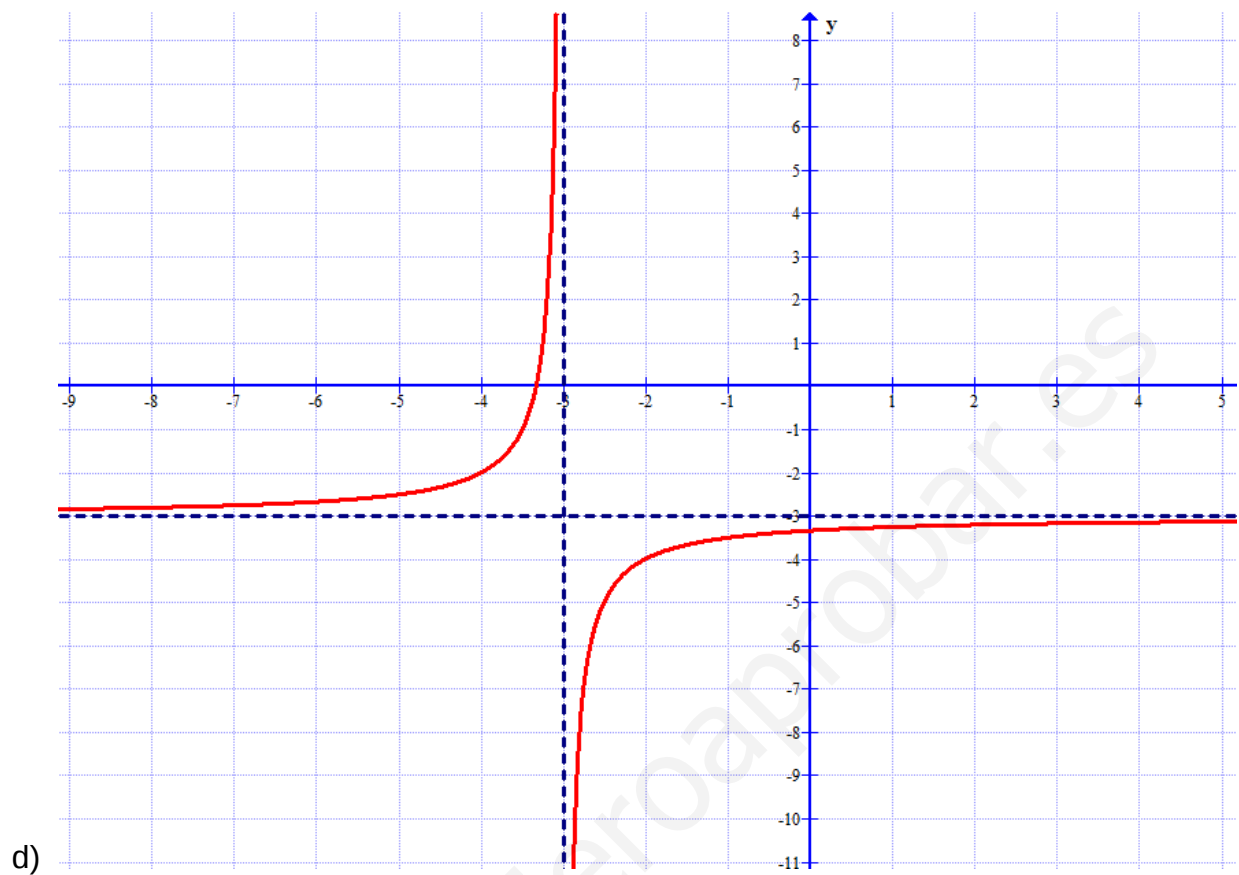
a)



b)



c)

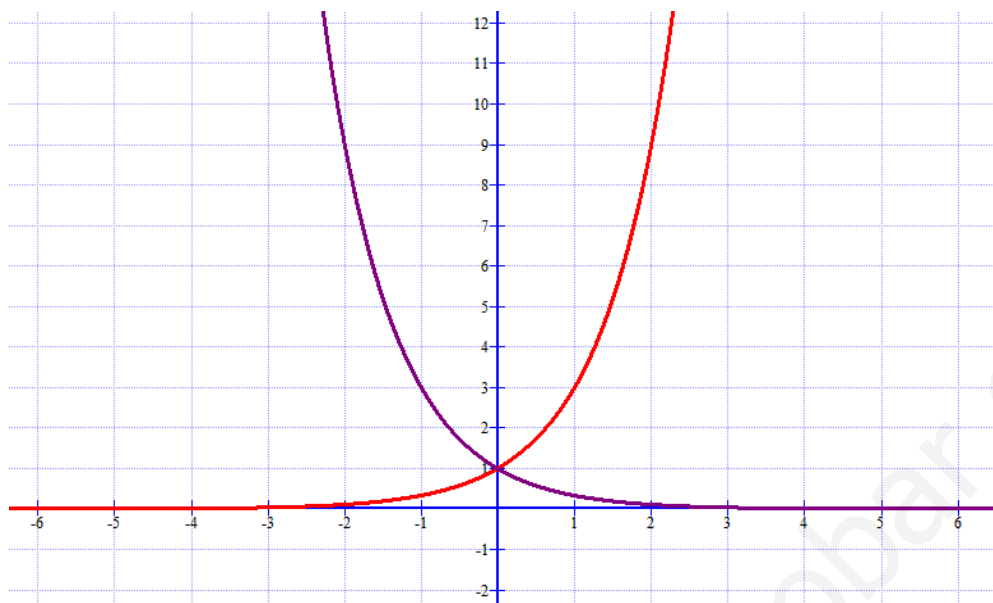


5. Representa las siguientes funciones exponenciales en los mismos ejes coordenado y de distinto color:

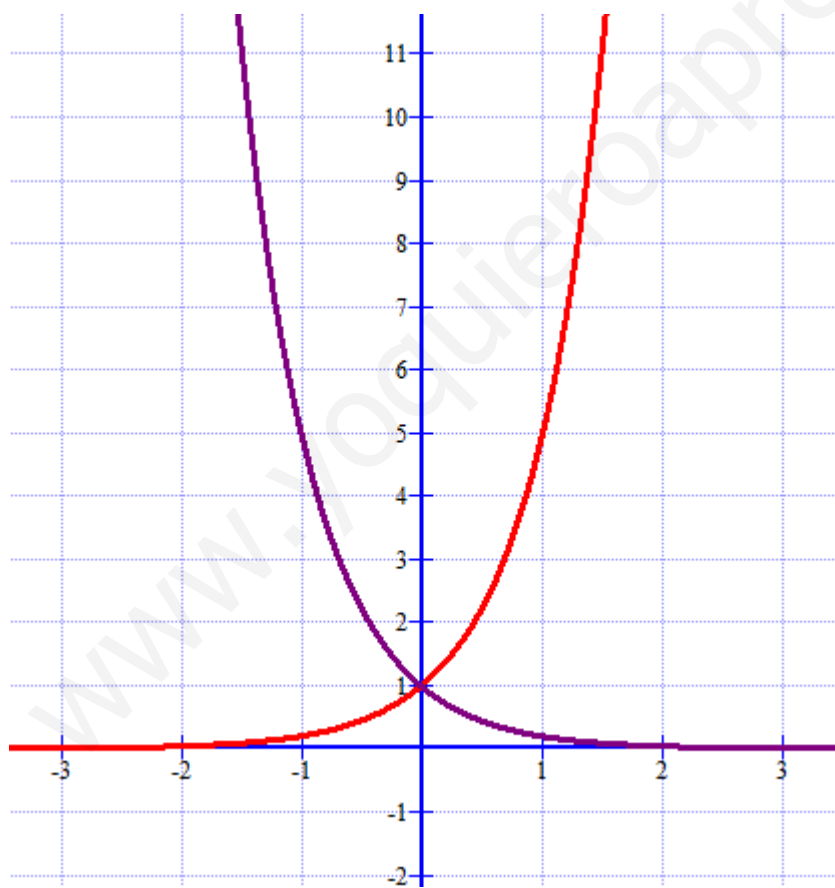
a) $y = 3^x$; $y = \left(\frac{1}{3}\right)^x$

b) $y = 5^x$; $y = 0,2^x$

Solución:



a)

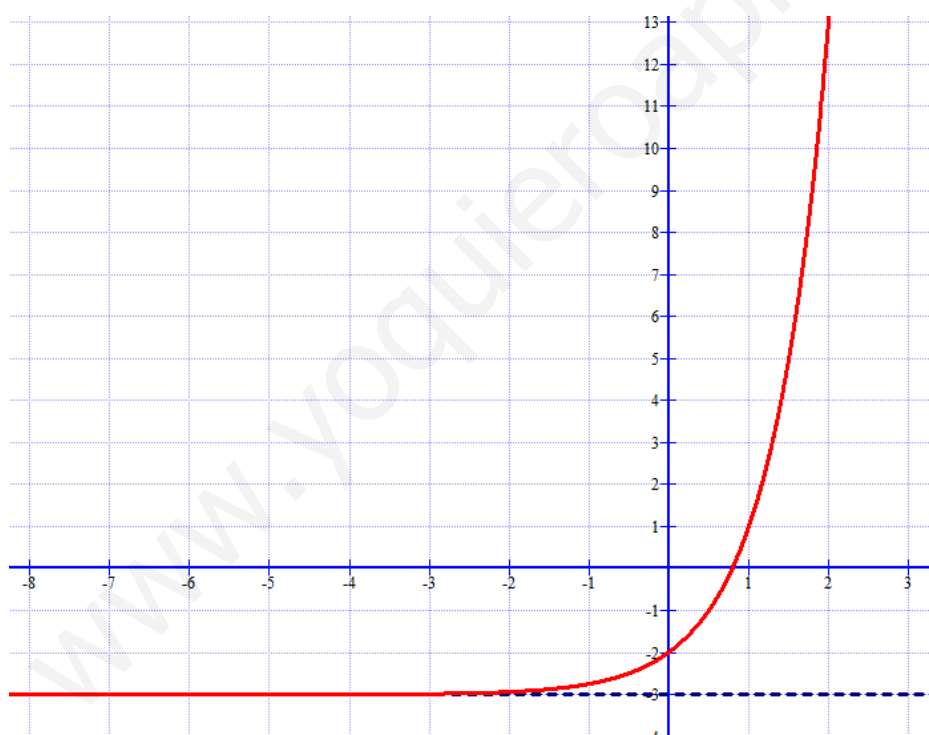
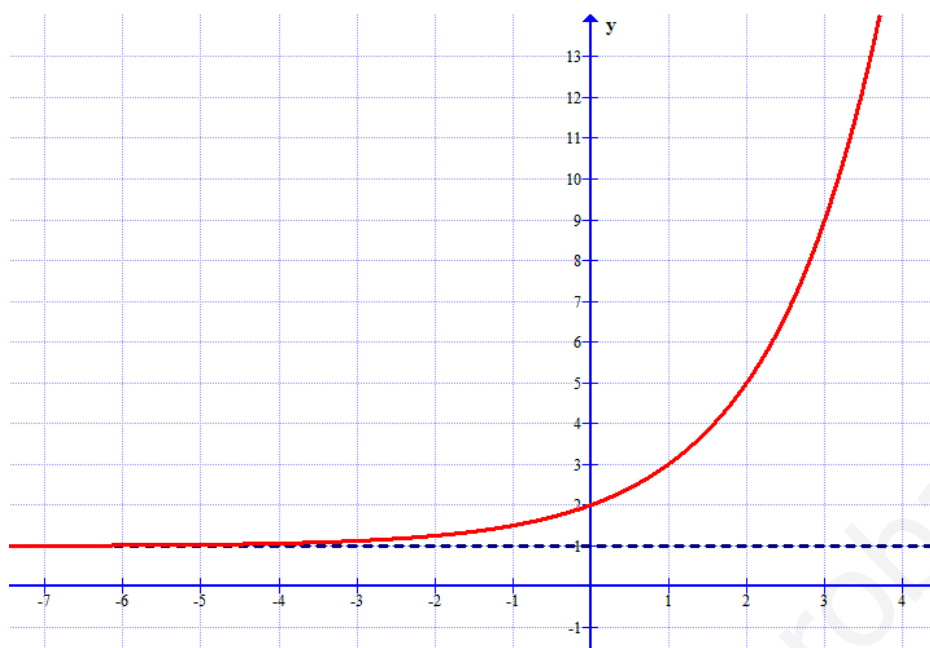


b)

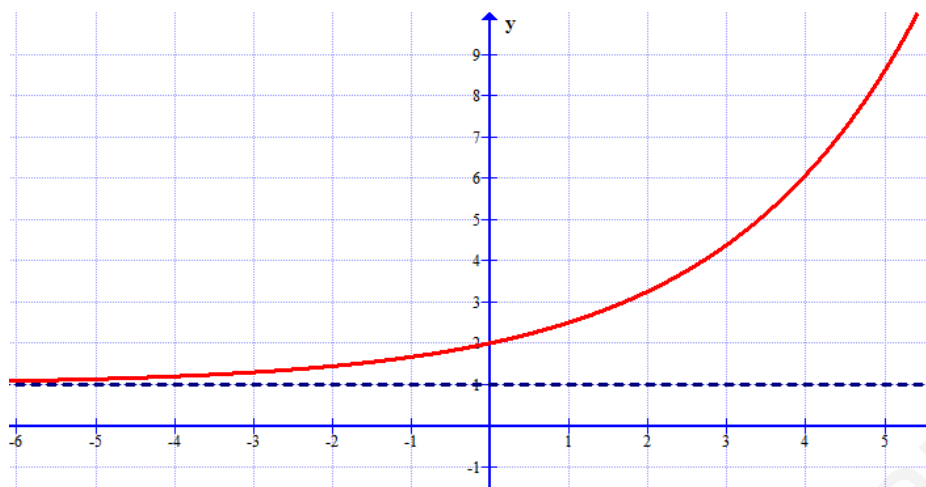
6. Representa las siguientes funciones exponenciales:

a) $y = 2^x + 1$ b) $y = 4^x - 3$ c) $y = \left(\frac{3}{2}\right)^x + 1$ d) $y = 2^{4x}$

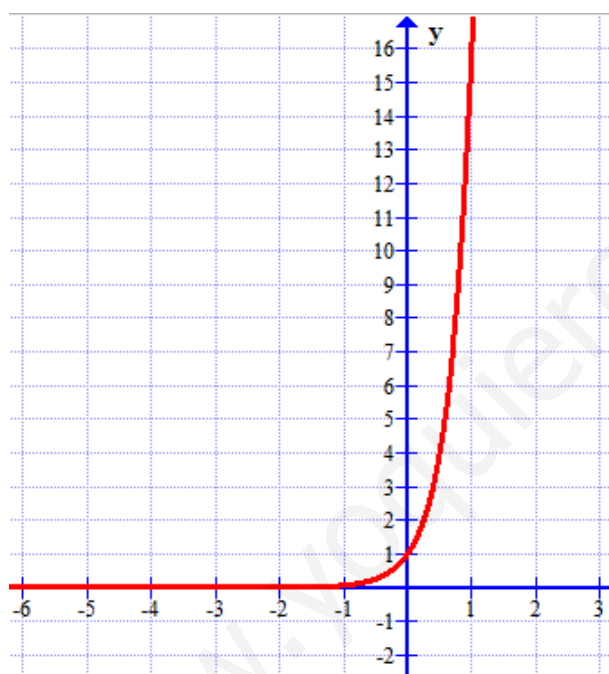
Solución:



b)



c)



d)