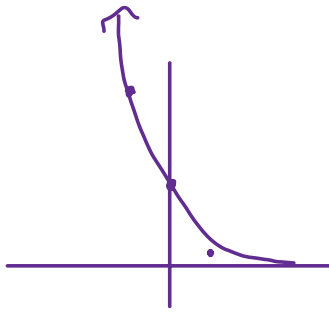


Ex 2

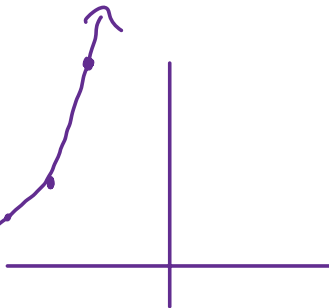
① $y = 4\left(\frac{2}{3}\right)^x - 2$

x	y
1	$\frac{2}{3} - 2 = \frac{2}{3} - \frac{6}{3} = -\frac{4}{3}$
0	$4 - 2 = 2$
-1	$\frac{8}{3} - 2 = \frac{8}{3} - \frac{6}{3} = \frac{2}{3}$



② $y = 4^{x+3} + 1$

x	y
-2	$4^1 + 1 = 5$
-3	$4^0 + 1 = 2$
-4	$4^{-1} + 1 = \frac{5}{4}$



③ $b > 0 \quad b \neq 0, 1$

④ $6 = a \cdot 3^{-2} \quad y = 54 \cdot 3^x$

$6 = a \cdot \frac{1}{9}$

$54 = a$

⑤ $y = a \cdot \frac{1}{9}^x \quad y = 100 \cdot \frac{1}{9}^x$

$100 = a$

⑥ $24 = 3b \quad y = 3 \cdot 2^x$

$$8 = b^3$$

$$b = 2$$

(7)

$$\frac{1}{2} = ab^3$$

$$\frac{64 = ab^3}{\frac{1}{64} \quad \frac{1}{b^3}}$$

$$64 = ab^{-3}$$

$$0 =$$

$$y = 4 \cdot \left(\frac{1}{2}\right)^x$$

$$64b^4 = a$$

$$\frac{1}{2} = 64b^4 \cdot b^3$$

$$\frac{\frac{1}{2} = 64b^7}{64}$$

$$\frac{1}{128} = b \quad b = \frac{1}{2}$$

(8)

$$4(b^{-1}) = 12$$

$$4\left(\frac{1}{3}\right)^x$$

$$b^{-1} = 3$$

(9) $(3)^x - 2$

(10) $3\left(\frac{1}{2}\right)^x + 1$

$$\frac{3}{b} + 1 = 7$$