

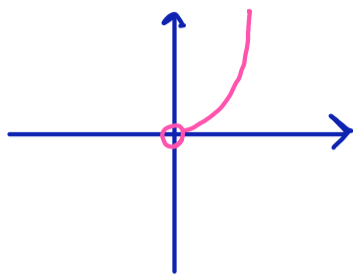


$$\frac{1}{v} = \left(\frac{v}{\lambda}\right)^t \rightarrow \log \frac{v}{\frac{1}{v}} = t \rightarrow \frac{\log v}{r \log r - \log v} = \frac{\frac{10}{4}}{\frac{10}{14} - \frac{10}{4}} = \frac{\frac{10}{4}}{\frac{10 - 140}{14 \times 4}} = \lambda \text{ ماب } = \boxed{24 \text{ روز}} \quad (1)$$

$$\frac{1}{\mu} = \left(\frac{r}{\mu}\right)^t \rightarrow \log \frac{r}{\frac{1}{\mu}} = t \rightarrow \frac{\log r}{r \log r - (\log r + \log r)} = \frac{0,41}{1,4 - (0,4 + 0,4)} = \frac{0,41}{0,6} = \boxed{r} \text{ روز} \quad (2)$$

$$y = 4 \log n^r \quad D = n > 0$$

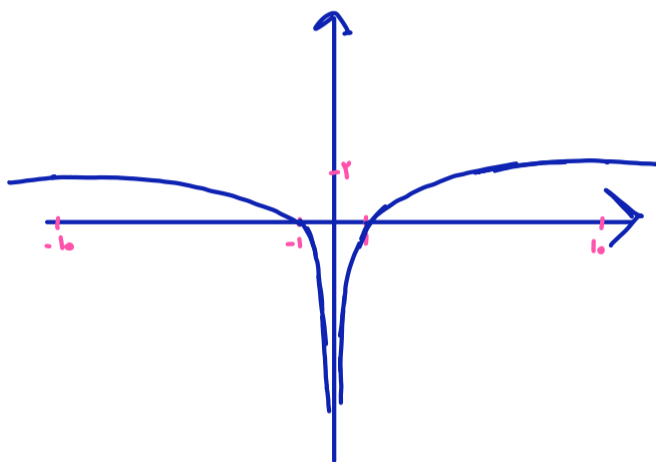
$$y = n \log 4 = n^r$$



$$y = \log n^r \quad D = n \neq 0$$

$$y = r \log n \quad n > 0$$

$$y = r \log -n \quad n < 0$$



$$r) f(0) = \frac{r}{\mu} \rightarrow C \times \mu^a = \frac{-1}{\mu} \quad (1) \quad f(1) = 0 \rightarrow \mu^a \times C \times \mu^b = -1 \rightarrow b = 1$$

$$\rightarrow f(x) = 1 - \mu^{x-1} \quad f(-1) = \frac{1}{\mu}$$