

$$d \times \left(\frac{1}{a}\right)^{\frac{1}{d}} = \frac{1}{d} a \Rightarrow \log \frac{1}{a} = \frac{1}{d}$$

(V)

$$\frac{q}{h} \log \frac{1}{a} = -p \log \frac{1}{y} + p \log \frac{1}{y} \Rightarrow -p(\log \frac{1}{y} - \log \frac{1}{y}) + p \log \frac{1}{y}$$

$$-p \log \frac{1}{y} = \frac{q}{h} \quad \Delta \log \frac{1}{y} = \frac{q - p h}{h} \Rightarrow \frac{q}{h} = \frac{q - p h}{h}$$

$$\Rightarrow h = p h$$

$$\frac{\log \frac{1}{a}}{\log \frac{1}{b}} = \log \frac{1}{a} = \frac{1}{d} \Rightarrow \log \frac{1}{a} = \frac{p}{d} = \frac{1}{d}$$

(A)

$$d \times \left(\frac{v}{a}\right)^{\frac{1}{d}} = \frac{1}{d} a \quad \log \frac{1}{a} = \frac{1}{d}$$

$$\log \frac{1}{a} - p \log \frac{1}{v} = \frac{1}{d} \Rightarrow -p \log \frac{1}{v} = \frac{1}{d} \Rightarrow p \log \frac{1}{v} = \frac{1}{d}$$

$$\frac{q}{h} = \frac{1 - p h}{h} \Rightarrow h = p h$$

$$\frac{\log \frac{1}{a}}{\log \frac{1}{b}} = \log \frac{1}{a} = \frac{1}{d}$$

(9)

$$k \times \left(\frac{a}{b}\right)^{\frac{1}{k}} = \frac{1}{k} a \quad \left(\frac{a}{b}\right)^{\frac{1}{k}} = \frac{1}{k} \Rightarrow \log \frac{a}{b} = \frac{1}{k}$$

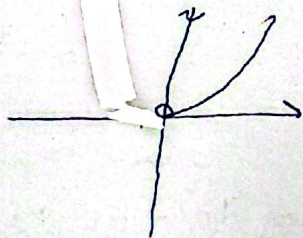
$$- \log \frac{a}{b} + p \log \frac{a}{b} = \frac{1}{k} \quad \frac{p}{k} - p \log \frac{a}{b} = \frac{1}{k}$$

$$\frac{p}{k} - \frac{1}{k} = p \log \frac{a}{b} \Rightarrow h = p h$$

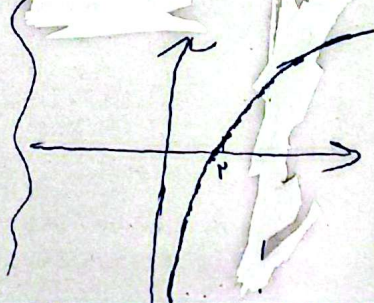
$$\log \frac{1}{a} = \frac{1}{d} \quad \log \frac{1}{b} = \frac{1}{d} = \frac{p}{d} = \frac{1}{d}$$

$$\frac{\log \frac{1}{a}}{\log \frac{1}{b}} = \log \frac{1}{a} = \frac{1}{d}$$

$$y = 2 \log a \Rightarrow 2^y = a$$



$$y = 2 \log a \Rightarrow y = p \log a$$



(10)