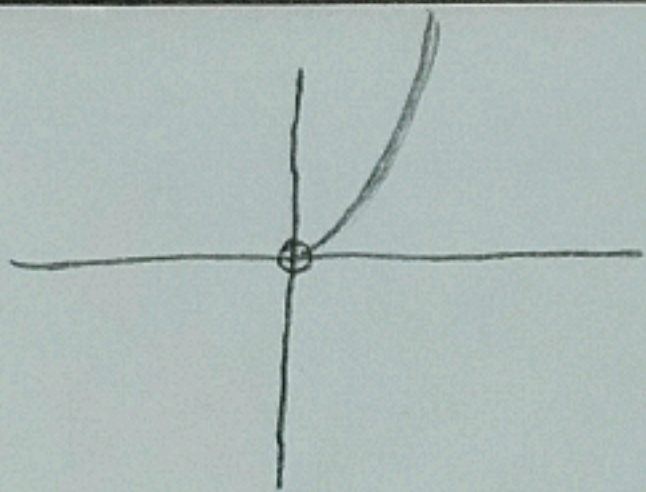
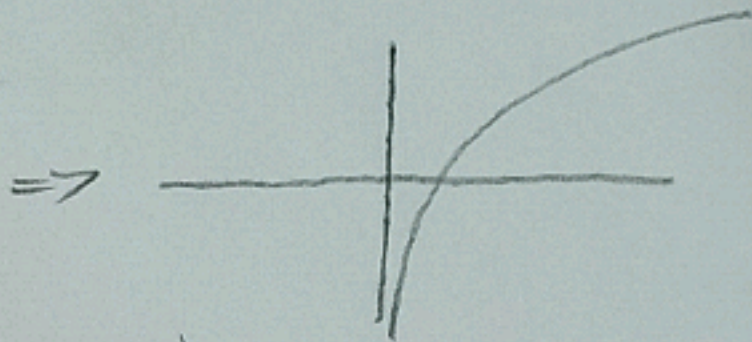
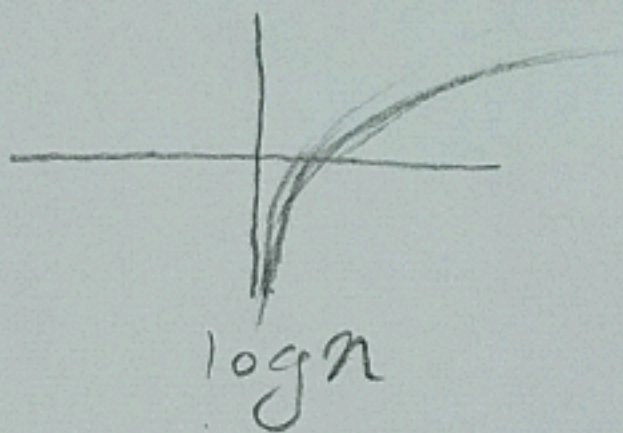


$$a^{\log_r a} \Rightarrow a^{\frac{\log_r a}{r}} \Rightarrow a^r$$

$a > 0$



$$\log a^r \Rightarrow r \log a$$



$r \log a$   
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$$f(n) = -r + \left(\frac{1}{r}\right)^{a+b}$$

$$v = n^r - n$$

$$f(r) \Rightarrow -r + \left(\frac{1}{r}\right)^{-r} = -r + 1$$

$$-r + \left(\frac{1}{r}\right)^{a+b} = -r + 1$$

$$\left(\frac{1}{r}\right)^{a+b} = 1$$

$$a+b = 0$$

$$-a-b = 0$$

$$a = -b$$

$$\left(\frac{1}{r}\right)^h = \frac{1}{r} \Rightarrow \log \frac{1}{r}$$

$$\Rightarrow h = \log \frac{1}{r}$$

$$-\log \frac{1}{r} \Rightarrow -\frac{1}{h} = \log \frac{1}{r}$$

$$\frac{1/r}{1/r + r/r} = \frac{1/r}{1/r + 1}$$

$$\frac{1/r}{1/r + r/r} = \frac{1/r}{1/r + 1}$$

$$\log r = \frac{\log r}{\log r}$$

$$\log r + \log r$$

$$\frac{1/r}{1/r} + \frac{1/r}{1/r}$$

$$\log r = \log r$$

$$-\frac{1}{h} = -\frac{r}{r\lambda} \Rightarrow h = \frac{r\lambda}{r} = \lambda \cdot \min$$

$$\left(\frac{v}{\lambda}\right)^w = \frac{1}{v} \Rightarrow \log \frac{v}{\lambda}$$

$$w = \log \frac{1}{v}$$

$$-\log \frac{v}{\lambda} \Rightarrow -\frac{1}{w} = \log \frac{v}{\lambda}$$

$$w = \lambda \Rightarrow \lambda \times v = \dots$$

$$1 \dots \Rightarrow \frac{a/r}{1 \dots} \Rightarrow \left(\frac{a/r}{1 \dots}\right)^d = \frac{1}{r}$$

$$d = -\log \frac{r}{r\lambda}$$

$$\log \frac{1}{v} = \log \frac{1}{v} - \log 1$$

$$-\frac{1}{\lambda} < 2 \frac{1-r}{\lambda} \frac{\log r}{\log v} = \frac{1-r}{\lambda} \frac{\log r}{\log v} = \frac{r}{\lambda}$$

$$-\frac{1}{d} = \log \frac{r}{r\lambda} \Rightarrow \log \frac{r}{r\lambda}$$

$$-\frac{1}{d} = r, \lambda, v, \dots$$

$$\Rightarrow d \times v = r$$

$$\log \frac{1}{r} + \log \frac{r}{r\lambda} \Rightarrow \frac{r}{\lambda} = \frac{r}{\lambda}$$

$$\log \frac{d}{10} = \frac{1 \dots - r}{\lambda} = \frac{v_0}{\lambda}$$

$(a+c)b = r$        $v = 1 - \log_c(a-c)$        $c = \frac{1}{r}$   
 $b+c = -\frac{r}{r}$        $r = 1 - \log_c -b$        $b = -r$

$\frac{1}{c} + c = -\frac{r}{r}$        $\log_c -b = -1 \Rightarrow \frac{1}{c} = -b$

$\frac{c^r - 1}{c} = -\frac{r}{r}c \Rightarrow c^r + \frac{r}{r}c - 1 = 0$

$(\frac{1}{r} + \frac{1}{r}) - r = -r$        $(c-1)(c+r) = 1 \Rightarrow \frac{1}{r} = -\frac{1}{r}$

$1 - \log_{\frac{1}{r}} -b = 0$   
 $1 = \log_{\frac{1}{r}} -\frac{r}{r} + r$   
 $\frac{1}{r} = -\frac{r}{r} + r$   
 $-\frac{r}{r} = -\frac{r}{r} + r \Rightarrow a = 1$

$1 + c x r^{a+b} = f(a)$        $1 + c x r^{a+b} = 0$        $r^{a+b} = -\frac{1}{c}$

$f(-1)$   
 $b = 1$   
 $1 + c x r^a x r^1 = \frac{1}{r}$   
 $\frac{1}{r} x r^{-1} = -\frac{1}{r}$

$1 + c x r^a x r^b = -1$   
 $- \frac{1}{r} x r^b = -1$   
 $r^{-1+b} = -r^0$   
 $r^{-1+b} = r^0$   
 $-1+b = 0$   
 $b = 1$

$v = c + \log_a a^{a+b} = \frac{a}{b}$

$c + \log_a b = r$        $a^{(r-c)} = b$        $a^r x a^{-c} = b$

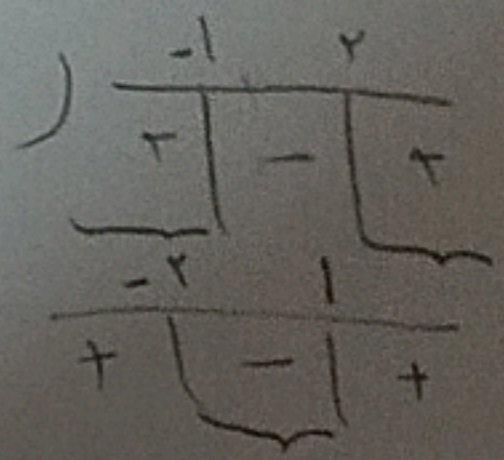
$c + \log_a r, (a+b) = 0$        $a^{-c} = r, (a+b)$

$\frac{-1 \cdot x a^{-c}}{a^r x a^{-c}} = \frac{r}{a}$        $a^{-c} = r, (a+b) + (a^r x a^{-c}) \Rightarrow a^{-c} - (a^r x a^{-c}) = r, (a+b)$

$a^{-c} (1 - a^r) = r, (a+b)$   
 $-1 \cdot x a^{-c} = a$

$\log_f (|a^r - r| - a) > 0$

$|a^r - r| > a$        $\cup$   $a^r - r > a \Rightarrow a^r - a - r = (a+1)(a-r)$   
 $a^r - r < -a \Rightarrow a^r + a - r = (a-1)(a-r)$



$(-\infty -1) \cup (-1 1) \cup (r + \infty)$

$f(x) = r + r^{b-a}$        $g(x) = -a^r - r^{a+1}$

$f^{-1}(1) = 1$        $r^{b-a} = 1$   
 $b-a = 0$   
 $b = a$

$r + r^{b-a} = 1$   
 $r + r^{b-a} = 1$   
 $b-a = 1$   
 $b+a = r$   
 $r^{b-a} = 1$   
 $b = r$   
 $a = 1$