

تاريخ: / /

الصف: /

المادة: /

1

$$\log_n^n = a$$

$$\log_{mn}^{mn} = b \Rightarrow \log_{mn}^{mn} + \log_{mn}^{mn} = \frac{1+a}{1+a} = \frac{1+a}{1+a}$$

$$[1+a] \log_{mn}^{mn} = \frac{a}{a+1} \quad [b] = \left[\frac{1+a}{1+a} \right] = 1$$

2

$$= \frac{1}{1} + \frac{1}{1} + \frac{1}{1} \quad D_f = (0, 1)$$

$$\log_{(x-1)}^{(x-1)} > \frac{1}{x-1} \Rightarrow I(-\infty, -1) \cup (1, \infty)$$

$$I \cap I = \{x \mid x > 1\} \Rightarrow \log_a^a + \log_a^a = 2 \Rightarrow \log_a^a + \log_a^a = 1$$

3

$$\frac{1}{\log_a^a} + \log_a^a = 2 \Rightarrow \log_a^a = 1 \Rightarrow \log_a^a = 1$$

$$\log_a^a = 1 \Rightarrow a = 1$$

4

$$(\log_a^a)^x + (\log_a^a)^x - \log_a^a = 0$$

$$(\log_a^a - \log_a^a)^x + (\log_a^a)^x - \log_a^a = 0$$

$$\log_a^a \rightarrow \log_a^a - \log_a^a = 0 \Rightarrow \log_a^a = 0 \Rightarrow \log_a^a = 0$$

5

$$\log_a^a = 0, 1 \Rightarrow \log_a^a = 0, 1$$

