

16-Jun-2021

Tarea 3 Biomatemáticas

$$1) \text{Log}_6(1/36) = \frac{\text{Log } 1/36}{\text{Log } 6} = -2$$

$$\text{Log } ab = \frac{\text{Log } b}{\text{Log } a}$$

$$2) \text{Log}_9(1/729) = \frac{\text{Log } 1/729}{\text{Log } 9} = -3$$

$$3) \text{Log}(1/10,000) = -4$$

$$\frac{\text{Log}}{\text{Log } 1/10,000} = -4$$

$$4) \text{Log}\left(\frac{1}{7}\right) 343 = \frac{\text{Log } 343}{\text{Log}\left(\frac{1}{7}\right)} = -3$$

$$5) \text{Log}\left(\frac{1}{2}\right) 64 = \frac{\text{Log } 64}{\text{Log } 1/2} = -6$$

$$6) \text{Log}(1/5) 25 = \frac{\text{Log } 25}{\text{Log } 1/5} = -2$$

$$7) \text{Log}(1/3) 27 = \frac{\text{Log } 27}{\text{Log}(1/3)} = -3$$

$$8) \text{Log}(1/10) 100 = \frac{\text{Log } 100}{\text{Log}(1/10)} = -2$$

$$9) 3 \text{Log}_2\left(\frac{1}{2}\right) + 5 \text{Log}_3\left(\frac{1}{9}\right) - 7 \text{Log}_5(125)$$

$$\frac{3 \text{Log}_2}{\text{Log}\left(\frac{1}{2}\right)} + \frac{5 \text{Log}_3}{\text{Log}\left(\frac{1}{9}\right)} - \frac{7 \text{Log}_5}{\text{Log}(125)} = -7$$

$$10) 2 \text{Log}_5(1/25) - 4 \text{Log}_2(1/10) - 3 \text{Log}_3(1/27)$$

$$\frac{2 \text{Log}_5}{\text{Log } 1/25} - \frac{4 \text{Log}_2}{\text{Log } 1/10} - \frac{3 \text{Log}_3}{\text{Log } 1/27} = 1$$