



### TIMBRE N°1

"Logaritmos"

Nombre: \_\_\_\_\_ Curso: 2Mº \_\_\_\_\_ Fecha: \_\_\_\_\_ **de Junio 2021**

**A.E:** Calcular e aplicar contenidos vistos en clases sobre logaritmos

a) Calcula el valor de x en las siguientes expresiones.

$$1) \log_2 x = 8$$

$$x = \boxed{\phantom{00}}$$

$$2) \log_2 x = -4$$

$$x = \boxed{\phantom{00}}$$

$$3) \log_{\frac{1}{5}} x = 0$$

$$x = \boxed{\phantom{00}}$$

$$4) \log_{\frac{1}{2}} x = -5$$

$$x = \boxed{\phantom{00}}$$

$$5) \log_x 27 = 3$$

$$x = \boxed{\phantom{00}}$$

$$6) \log_x \frac{1}{81} = 2$$

$$x = \boxed{\phantom{00}}$$

$$7) \log_x \frac{1}{9} = 2$$

$$x = \boxed{\phantom{00}}$$

$$8) \log_x \frac{1}{8} = -3$$

$$x = \boxed{\phantom{00}}$$

$$9) \log_2 32 = x$$

$$x = \boxed{\phantom{00}}$$

$$10) \log_4 16 = x$$

$$x = \boxed{\phantom{00}}$$

$$11) \log_6 x = 2$$

$$x = \boxed{\phantom{00}}$$

$$12) \log_4 x = -1$$

$$x = \boxed{\phantom{00}}$$

$$13) \log_{\frac{3}{4}} x = 2$$

$$x = \boxed{\phantom{00}}$$

$$14) \log_{\frac{5}{2}} x = -3$$

$$x = \boxed{\phantom{00}}$$

$$15) \log_x 16 = 4$$

$$x = \boxed{\phantom{00}}$$

$$16) \log_x \frac{1}{243} = 5$$

$$x = \boxed{\phantom{00}}$$

$$17) \log_x \frac{16}{25} = 2$$

$$x = \boxed{\phantom{00}}$$

$$18) \log_x \frac{1}{9} = -2$$

$$x = \boxed{\phantom{00}}$$

$$19) \log_3 81 =$$

$$x = \boxed{\phantom{00}}$$

$$20) \log_5 25 = x$$

$$x = \boxed{\phantom{00}}$$