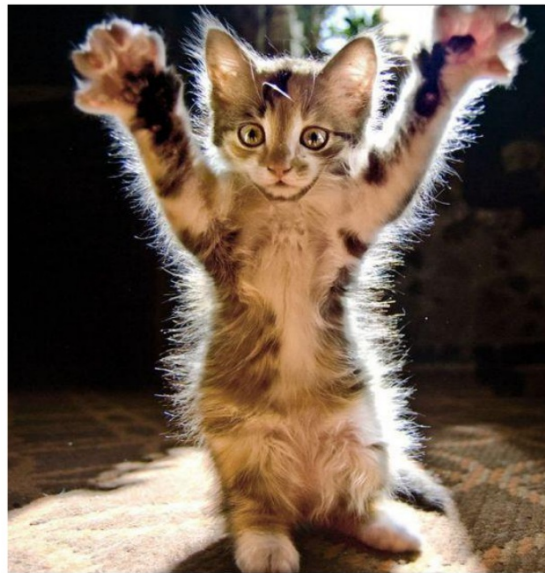


FEBRUARY 10, 2012

Aug 2

NOTHING TO CORRECT SINCE IT'S FRIDAY!!!

GET A CALCULATOR (3RD DRAWER)



2/10 - Logarithm Change-Base Property

Calculate each:

$$\log_{10} 8 \\ \doteq .903$$

$$\log_{10} 250 \\ \doteq 2.398$$

$$\log_{10} \frac{1}{2} \\ = -.301$$

$$\log_{10} \frac{1}{250} \\ = -2.398$$

$$\log_5 25$$
$$5^? = 25$$
$$\textcircled{2}$$

$$\log_4 2$$
$$4^? = 2$$
$$\textcircled{\frac{1}{2}}$$

$$\log_b a = \frac{\log_n a}{\log_n b}$$

$$\log_5 25$$
$$= \frac{\log_{10} 25}{\log_{10} 5}$$

$$\log_4 2$$
$$= \frac{\log_{10} 2}{\log_{10} 4}$$

Calculate each:

$$\begin{aligned} & \log_2 28 \\ &= \frac{\log 28}{\log 2} \\ &\doteq 4.807 \end{aligned}$$

$$\begin{aligned} & \log_3 36 \\ &\doteq 3.262 \end{aligned}$$

$$\begin{aligned} & \log_4 3.4 \\ &\doteq 0.883 \end{aligned}$$

$$\begin{aligned} & \log_6 1.9 \\ &\doteq .358 \end{aligned}$$

HOMEWORK

YELLOW LOGARITHM WS1

DUE Monday