

Name: _____

Find:

a) $\log_6 \frac{1}{36}$

$$= -2$$

$$6^{\boxed{-2}} = \frac{1}{36}$$

b) $\log_7 1$

$$= 0$$

$$7^{\boxed{0}} = 1$$

c) $\ln e^{2x}$

$$= \log_e e^{2x}$$

$$= 2x$$

$$e^{\boxed{2x}} = e^{2x}$$