

Bellwork Alg 2 Tuesday, March 3, 2020

1. Write each in Logarithmic Form.

a. $6^7 = x$

b. $e^{2x} = 10$

2. Write each in Exponential Form.

a. $\log x = 2$

b. $\ln 5 = x$

3. Solve each equation to the nearest hundredth.

a. $-8(10)^x = -13400$

b. $\ln(5x - 1) = 7$

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$$\log_6 x = 7$$

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2. Write each in Exponential Form.

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$$10^2 = x$$

b. $\ln 5 = x$

$$e^x = 5$$

3. Solve each equation to the nearest hundredth.

a. $-8(10)^x = -13400$

$$10^x = 1675$$

$$\log 1675 = x$$

$$x = 3.22$$

CHANGE TO LOG FORM

b. $\ln(5x - 1) = 7$

$$e^7 = 5x - 1$$

$$\frac{e^7 + 1}{5} = \frac{5x}{5}$$

$$x = \frac{e^7 + 1}{5}$$

$$x = 219.53$$

CHANGE TO EXPONENTIAL FORM