Bellwork Alg 2 Friday, March 20, 2020

This bellwork is review of problems from Chapter 6.

Solve each equation. Round to the nearest hundredth.

1.
$$9^x = 200$$

2.
$$\log_4(2x-1)=3$$

3.
$$5(7)^{x+6} + 1 = 53$$

4.
$$8 \ln x - 9 = 14$$

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Answers

Solve each equation. Round to the nearest hundredth.

1.
$$9^x = 200$$

$$2. \log_4(2x-1) = 3$$

use change of base formula If you don't have a graphing coulc.

$$4^3 = 2x-1$$

$$\frac{65-2x}{2}$$

3.
$$5(7)^{x+6} + 1 = 53$$

$$\frac{5(7)^{X+b}}{5} = \frac{52}{5}$$

$$\log_{7} 10.4 = X + 6$$

$$x = -4.80$$

$$x = \frac{10910.4}{1097} - 6$$

4.
$$8 \ln x - 9 = 14$$

$$x = 17.73$$