Bellwork Alg 2 Wednesday, March 4, 2020

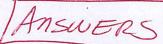
Solve each equation. Round to the nearest hundredth when necessary.

1.
$$41 - 8\log_2(x+1) = 9$$

2.
$$10 + 2(9)^{5x} = 13$$

3.
$$\frac{1}{3}e^{4x-2} - 7 = 11$$

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Solve each equation. Round to the nearest hundredth when necessary.

1.
$$41 - 8\log_2(x+1) = 9$$

$$-\frac{8 \log_2(x+1)}{-8} = -\frac{32}{-8}$$

$$2^{4} = x+1$$

$$16 = X + 1$$
 $X = 15$

2.
$$10 + 2(9)^{5x} = 13$$

$$\frac{Z(9)^{5x}}{2} = \frac{3}{z}$$

$$\log_q 1.5 = \frac{5x}{5}$$

3.
$$\frac{1}{3}e^{4x-2} - 7 = 11$$

$$ln54 = 4x-2$$