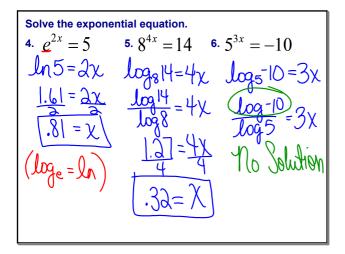
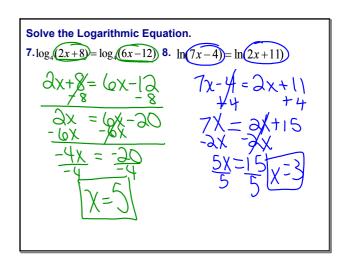


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Solve the Logarithmic Equations

9. $\log_7(3x-2)=2$ **10.** $\ln(5x+4)=3$

$$7^{2} = 3x - 2$$
 $49 = 3x - 2$
 $49 = 3x - 2$
 $51 = 3x$
 3
 $20.09 = 5x + 4$
 $16.09 = 5x$
 5
 $7 = 17$
 $16.09 = 5x$
 $16.09 = 5x$

Biologists use the logarithmic model n=1037.43log 65D to estimate the number or species (n) that live in a region of area (A). Find the number of species that live in a rain forest of 500 square kilometers if half of this rain forest is destroyed by logging.

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Each pair of you will be given 5 cards. You need to pair them up, equation and answer. Please raise your hands when finished so I can check. Each pair needs one piece of paper and put both your names on it.

Conclusion Put on partner solving paper. Turn in today.

- 1. What do you do when you don't think you can solve the equation?
- 2. Can you take the logarithm of a negative number?
- 3. Rate yourself on solving log and exponential equations.

{1 to 5, 1 being not good, and 5 awesome}

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Day 6 Assignment Solving Exponential and Logarithmic Equations Worksheet

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