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Solving Logarithmic Equations Worksheets

1. What is the product rule of logarithmic equations?

Solve the following equations:

2. $\log_2(-5y + 9) = 12$

3. $\log(8y - 11) = 2$

4. $\log_{10}(3y + 1 + 2y) = 7$

5. $\ln(8y - 1) = 5$

6. $\log_4(y) + \log_4(2y - 12) = 9$

7. $\log_3(y - 1) + \log_3(4) = \log_3(20)$

8. $\log_9(2y + 9) + \log_9(y + 3) = \log_9 9$

9. $\log_3 y + \log_3(2y + 9) = \log_3(7y + 2)$

10. $\log_{17}(20y - 340) - 2 = \log_{17}(18y + 6)$

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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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