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Solving Logarithmic Equations Worksheets

1. What is the identity rule of logarithmic equations?

Solve the following equations:

2. $2 \log_2(3y + 7) = 12$

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

4. $2 \log_{10}(3y - 2) = 3$

5. $\ln(4y + 2) = 7$

6. $\log_2(y) + \log_{22}(9y - 12) = 3$

7. $\log_3(2y + 7) + \log_3(4) = \log_3(14)$

8. $\log_{2.5}(y - 4) + \log_{2.5}(2y + 3) = \log_{2.5} 18$

9. $4 \log_3 y + \log_3(5y + 3) = \log_3(3y + 6)$

10. $\log_8(23y - 10) - 2 = \log_8(2y + 6)$

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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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