

Logarithmic Equations

Solve each logarithmic equation.

1) $\log_2 (7x+13) = \log_2 (2x+48)$

2) $\log_7 11 = \log_7 (x+31)$

x = _____

x = _____

3) $\log_3 (x+1) = \log_3 (x-1)$

x = _____

5) $\log_5 (x+1) = \log_5 (x-1)$

x = _____

7) $\log_7 (x+1) = \log_7 (x-1)$

x = _____

x = _____

9) $\log_3 (5x-19) = \log_3 (3x+7)$

10) $\log_5 2x = \log_5 76$

x = _____

x = _____

Preview

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