

Logarithmic Equations

Solve each logarithmic equation.

1) $\log_7 (9x-18) = \log_7 (x+62)$

2) $\log_4 (x+15) = 4 \log_4 3$

x = _____

x = _____

3) $\log_2 (x-1) = \log_2 (x+1)$

x = _____

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

x = _____

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

x = _____

x = _____

9) $\log_6 2x = \log_6 68$

10) $\log_3 (1-4x) = 2 \log_3 7$

x = _____

x = _____

Preview

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