Logarithmic Equations

Solve each logarithmic equation.

1) $\log_8 (x-14) = \log_8 4 + 2 \log_8 5$

2) $\log_4 (2-x) + \log_4 8 = 3 \log_4 6$

x = _____

x = _____

3) lo

x

5) 2

x

7) lo

Preview

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x = _____

x = _____

9) $4 \log_2 x - \log_2 8 = \log_2 32$

10) $\log_7 (x+2) + \log_7 4 = \log_7 (6x-18)$

x = _____

x = _____