

Log Equations 1

Date _____ Period _____

Solve each equation. Round your answers to the nearest ten-thousandth.

1) $8^{k-2} = 63$

2) $4^{r-4} = 86$

3) $19^{10x} = 81$

4) $7^{n-6} = 41$

5) $8^{n+6} = 65$

6) $3^{-10x} = 87$

7) $10^{7b} = 91$

8) $13^{-8.5a} = 67$

9) $16^{8x} = 14$

10) $9^{5x} = 59$

11) $18^{p-2} + 5 = 29.1$

12) $-3.6 \cdot 10^{9v} = -29$

13) $-3 \cdot 17^{v+7} = -59$

14) $7^{8n} - 4 = 80$

15) $8 \cdot 8^{-7k} = 68.9$