College Math Name_____

Solving More Equations with Logs - PRACTICE

Date_____

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

1) $18^{p} = 100$

2) $16^{n} = 34$

3) $11^{x} - 2 = 80.9$

4) $-2 \cdot 5^{n} = -14$

5) $3 \cdot 8^{x} - 1 = 39$

6) $5 \cdot 14^{x} - 3 = 69$

7) $7 \cdot 2^{k} - 9 = -2$

8) $-6 \cdot 15^{k} - 7 = -54$

9) $17^{-2x} = 68$

10) $13^{4n} = 57$

11) $15^{4x-1} = 76$

12) $15^{1-6p} = 22$

13) $-6.7 \cdot 9^{-8n} = -45.1$

14) $-6 \cdot 11^{2v} = -54$

15) $-6.4 \cdot 20^{-9x} = -63$

16) $2 \cdot 7^{2.1-4.1n} - 2 = 69$

17) $7 \cdot 10^{8.6n+9} - 7 = 59$

18) $-7 \cdot 4^{1.8x-10} - 5 = -78$