Logarithmic Expressions - Independent Practice Worksheet

For 1-3, write in expanded form.

1. $\text{Ln} \, [(6x-11) \, (3x+7)]^6$

2. $\text{Ln} \, [(9x-4) \, (7x+9)]^9$

3. $\text{Ln} \, [(4x-8) \, (3x+8)]^5$

4. Write $9^3 = 25$ in logarithmic form.

5. Write $4^5 = 42$ in logarithmic form.

6. Write $7^7 = 52$ in logarithmic form.

7. Write $5^4 = 32$ in logarithmic form.

8. Solve for x: $\log_4 x = 7$

9. Solve for y: $\log_5 y = 6$

10. Solve for z: $\log_3 z = 9$