Logarithms; simple equations

logs on one side, number on the other side. Use the definition: $log_b n = x$ iff $b^x = n$

Example $\log_4 (x-2) = 3$ $4^3 = x - 2$

64 = x - 266 = x

Solve for x.

- 1. $\log_3 81 = x$ 2. $\log_4 x = \frac{1}{2}$
- 3. $\log_2 32 = x$ 4. $\log_4 x = 2$
- 5. $\log_5 125 = x$ 6. $\log_2 x = -3$
- 7. $\log_{25} 5 = x$ 8. $\log_x 32 = 5$
- 9. $\log x = 3$ 10. $\log_x 10 = \frac{1}{2}$