# Logaritmické rovnice - cvičenia

Určte podmienky a riešte logaritmické rovnice

1. 3log x + log x4 – log = 5
2. log (x + 1) + log (x – 1) – log (x- 2) = log 8
3. log 3 (1 – x) = log 3 (x + 16 – x2)
4. 0,5 log 4 (2x + 10) = log 4 (x + 1)
5. 2log 5 x = 4 – log 5 
6. log (x2 – 1) – log (x + 1) = 2
7. log (x + 1) + log (x – 7) – log (x – 5) = 3log 2
8. log25 x + 1= 2log5 x
9. log (x + 13) – log (x – 3) = 1 – log 2
10. 2log (x – 2) = log (14 – x)
11. log7 (log3 (log2 (log2 x))) = 0