Приложение 1.

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| **Уровень** | **ВАРИАНТ** |
| **I** | **II** |
| I | 1. lgх = 2
2. log3(4 + х) = 3
3. log7(8 – х) = 2
4. log7(9 + х) = log72
5. log1/7 (х + 7) = -2
 | 1. lgх = 3
2. log5 (6 + х) = 2
3. log6(х – 5) = 2
4. log5(1 + х) = log54
5. log1/5 (5 – х) = -2
 |
| II | 1. log2(2х – 7) = log2х
2. log2(3х – 6) = log2 (2х – 3)
3. log2 х – log23 = log25
4. log3 (х – 2) + log3 (х +2) = log3(2х –1)
 | 1. log7(3х – 8) = log7х
2. log6(14 – 4х) = log6 (2х + 2)
3. log74 = log7 х – log79
4. log0,6 (х +3) + log0,6 (х–3)=log0,6(2х –1)
 |
| III |  21. 2log5 х – 5log5 х + 2 = 0

 21. log1/2 х + 3log1/2 х + 2 = 0

 21. log2 х – log√2 х – 3 = 0
 |  21. 3log4 х – 7log4 х + 2 = 0

 21. 3log1/2 х + 5log1/2 х – 2 = 0

 21. Log3 х – log√3 х – 3 = 0
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