***Основные свойства логарифмов***

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| ПРАВИЛО | ПРИМЕР |
| alogab= b | 5log58=8 |
| logab+logac = loga(bc) | log107+log105(7\*5) |
| logab-logac=loga( $\frac{b}{c} $) | log232-log22=log2($ \frac{32}{2}$ )=log216=4 |
| logabn=n\*logab | log381=log334=4log33=4\*1=4 |
| logakb=$ \frac{1}{k}$\*logab | log82=log232=$ \frac{1}{3} $log22= $\frac{1}{3}$\*1= $\frac{1}{3}$ |
| logab=logcb/logca | log632/log62=log232=5 |
| logab=1/logba | log6255=1/log5625=1/4 |
| logab\*logbc=logac | log43\*log316=log416=2 |