Приложение 1

(к технологической карте урока по теме «Логарифм числа»)

Задание № 2.



Ответ: $…<x<...$

Задание № 4.

|  |  |  |
| --- | --- | --- |
|  | $$log\_{a}b$$ | $$a^{x}=b$$ |
|  1 | $$log\_{3}27=$$ |  |
| 2 | $$log\_{2}64=$$ |  |
| 3 | $$log\_{5}5=$$ |  |
| 4 | $$log\_{2}1=$$ |  |
| 5 | $$log\_{2}\frac{1}{2}=$$ |  |
| 6 | $$log\_{\frac{1}{7}}7=$$ |  |
| 7 | $$log\_{2}\frac{1}{8}=$$ |  |
| 8 | $$log\_{6}\sqrt{6}=$$ |  |
| 9 | $$log\_{2}\sqrt[3]{2}=$$ |  |
| 10 | $$log\_{2}\frac{1}{\sqrt[4]{2}}=$$ |  |

Задание № 5.

|  |  |  |
| --- | --- | --- |
|  | Логарифм | Основное логарифмичес-кое тождество |
| 1) | $$log\_{x}y$$ |  |
| 2) | $$log\_{b}c$$ |  |
| 3) | $log\_{c}a$  |  |
| 4) | $$log\_{b}d$$ |  |

Задание № 6.

$1) 3^{log\_{3}18}=...;$ $ 2) 5^{log\_{5}16}=...;$ $3) \left(\frac{1}{10}\right)^{log\_{\frac{1}{10}}2}=...;$ $ 4) \left(\frac{1}{4}\right)^{log\_{\frac{1}{4}}6}=.…$

Задание № 7.

$1) 5=3^{…}$ ;

$2) 5=7^{…}$ ;

$3) 5=\left(\frac{2}{5}\right)^{…}$ ;

$4) 5=\left(\frac{7}{9}\right)^{…}$ ;

$5) 5=1,2^{…}$ ;

$6) 5=3, 5^{…}$ ;