**Ответы к самостоятельной работе по теме «Определение степени с целым отрицательным показателем»**

***Вариант 1***

1.Замените степень с целым отрицательным показателем дробью:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 8-2 | 7-2 | у-1 | х-30 | (cd)-3 | (m+n)-4 |
| = | = |  |  |  |  |

2. Замените дробь степенью с целым отрицательным показателем:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
| 2-6 | 8-1 = 2-3 | s-3 | b-1 | (42)-2 = 4-4 = 2-8 | (k + m)-5 |

3.Вычислите:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 2-3 | (-5)-1 |  | (0,1)-4 | (1)-2 | 2-2 + (-3)0 |
| = = = 0,125 | =  = - =  = - 0,2 | 42 = 16 | ()-4 =  = 104 =  = 10000 | ()-2 =  = ()2 =  = =  = 0,64 | + 1 =  = + 1 = = 1 =  = 1,25 |

**Ответы к самостоятельной работе по теме «Определение степени с целым отрицательным показателем»**

***Вариант 2***

1.Замените степень с целым отрицательным показателем дробью:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 5-3 | 4-3 | n-1 | k-28 | (st)-8 | (b+c)-5 |
| = | = |  |  |  |  |

2. Замените дробь степенью с целым отрицательным показателем:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
| 4-5 = 2-10 | 12-1 | t-6 | c-1 | (23)-4 = 2-12 | (b – k)-7 |

3.Вычислите:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 2-2 | (-4)-1 |  | (0,1)-5 | (1)-2 | 5-2 + (-14)0 |
| = = = 0,25 | =  = - =  = - 0,25 | 33 = 27 | ()-5 =  = 105 =  = 100000 | ()-2 =  = ()2 =  = =  = 0,36 | + 1 =  = + 1 = = 1 =  = 1,04 |