|  |  |
| --- | --- |
| $3\,x^2-{{1}\over{x^3}}=0$ | http://nigma.ru/themes/nigma/img/math/copy.gif |

$$ x\in~\left( -\infty ,0\right)\cup\left(0,\infty \right) $$

$${{3\,x^5-1}\over{x^3}}=0$$

$${{1}\over{x^3}}=0$$

$$3\,x^5=1$$

$${{3^{{{1}\over{5}}}\,x-1}\over{3^{{{1}\over{5}}}}}=0$$

$$3^{{{1}\over{5}}}\,x=1$$

$$ {{1}\over{3^{{{1}\over{5}}}}};\break  $$

|  |  |
| --- | --- |
| $x={{1}\over{\sqrt[5]{3}}}~$ | http://nigma.ru/themes/nigma/img/math/copy.gif |

**Ответ:**

|  |  |
| --- | --- |
| $x=0.(3)^{{{1}\over{5}}}$ |  |