~Solve by taking the Square Root on both sides Notes~

**MGSE9-12.A.REI.4: I can solve a quadratic equation with one variable.**

* A square root is written with the radical symbol… \_\_\_\_\_\_\_\_\_\_
* The square of an integer is called a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

What do you think we should do? **ONE step:**

|  |  |
| --- | --- |
| 1.
 | 1.
 |

**Solve the following TWO Step equations:**

|  |  |
| --- | --- |
| 1. **x² - 7 = 9**
 | 1. **x2 + 13 = 5**
 |
| 1. **x2 – 1 = 49**
 | 1. **x2 – 5 = 76**
 |
| 1. **2x2 = 14**
 | 1. **-3x² = 48**
 |

**Solve the following THREE step equations:**

|  |  |
| --- | --- |
| 1.
 | 1.
 |

**Solve the following MULTI step equations:**

|  |  |
| --- | --- |
| 1. $(x+3)^{2}=1$
 | 1. $(x+3)^{2}+7= -2 $
 |
| 1. $4(x-10)^{2}=25$
 | 1. 3(x + 3)2 – 12 = 0
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