**College Algebra – Notes**

**Section 2.2, Solving Two-Step Equations**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Starter**: Solve for the unknowns

**Solving Two-Step Equations:**

* When solving a two-step equation, identify the operations and undo them using inverse operations. You can undo the operations in the reverse order of the order of operations.

Problem 1: Solving a two-step equation

Ex:

Ex:

Problem 3: Solving with two terms in the numerator

Ex:

Ex:

Problem 4: Solve using deductive Reasoning

Ex:

|  |  |
| --- | --- |
| **Step** | **Reasons** |
|  | Original Equation |
|  | Subtraction Property of Equality |
|  | Use Subtraction to simplify |
|  | Multiplication Property of -1 |
|  | Division Property of Equality |
|  | Use division to simplify |

Ex:

|  |  |
| --- | --- |
| **Step** | **Reasons** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

You try…



