

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

## NOTES: Sections 3.1 – 3.2 – Solving One Step Equations

Goals: #1 – I can solve equations using addition and subtraction.

#2 – I can solve equations using multiplication and division.



*Homework: Sections 3.1 – 3.2 Worksheet*

**Exploration #1:** Work with a partner.

1. What does the word *inverse* mean?

2. What does the word *isolate* mean?

**Notes:**

\_\_\_\_\_ are two operations that “undo” each other.

Examples:

Inverse operations help us \_\_\_\_\_ the variable on one side of an equation.

**Example #1:** Solve the following equations.

1. Solve  $x - 5 = -13$  for  $x$ .

2. Solve  $-8 = n - (-4)$  for  $n$ .

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**You practice:** Solve the following equations.

1.  $-2 = x - 4$

2.  $3 = x - (-11)$

**Example #2:** Solve the following equations.

1. Solve  $-4x = 1$

2. Solve  $\frac{y}{5} = -30$

3. Solve  $10 = -\frac{2}{3}m$

**You practice:** Solve the following equations.

1.  $-3x = -9$

2.  $\frac{r}{3} = 11$

3.  $-6 = \frac{2}{7}p$