Balancing Equations Activity Worksheet **ANSWER KEY**

**For each equation, enjoy using the seesaw to:**

 **1. Evaluate 2. Solve 3. Check your results**

x = 5 – 2

**Evaluate:**

 Unknown Variable = \_x\_, Coefficient = \_1\_, Constants = \_+5, -2\_

**Solve: Check:**

$ x=5-2$ | where x = 3

$$ 3=5-2$$

$$ 3=3 $$

$$x=5-2$$

$$x=3$$

2y = -2 + 4

**Evaluate:**

 Unknown Variable = \_y\_, Coefficient = \_2\_, Constants = \_-2, +4\_

**Solve: Check:**

$ 2y= -2+4$ | where y = 1

$$ 2\left(1\right)=-2+4$$

$$ 2=-2+4$$

$$2=2$$

$$2y= -2+4$$

$$2y=2$$

$$\frac{2y}{2}= \frac{2}{2}$$

$$y=1$$

9a = 8 + 7a

**Evaluate:**

 Unknown Variable = \_a\_, Coefficient = \_9, 7\_, Constants = \_+8\_

**Solve: Check:**

$ 9a=8+7a$ | where a = 4

$$ 9\left(4\right)=8+7(4)$$

$$ 36=8+28$$

$$36=36$$

 $9a=8+7a$

$$-7a -7a$$

 $2a=8$

$$\frac{2a}{2}= \frac{8}{2}$$

$$a=4$$