

Names _____ Period _____

Solving Equations with Variables on Both Sides

- Go to Internet Explorer. Go to the following web address:
<http://illuminations.nctm.org/mathlets/expbalance/index.html>
- You will be using the Pan Equation Balance to be writing equations for the 8 of the 10 different x values that you were given.
- For each value you should:
 - Write an equation with a variable on both sides of the equation (the equation can't be identical on both sides).
 - Solve the equation algebraically.
- You must include two of each of the following types of equations:
 - An equation with a denominator on one side. Example: $\frac{3x+6}{2} = 6x-6$
 - An equation with a denominator on both sides. Example: $\frac{3x+6}{2} = \frac{6x-6}{3}$

Note: In order to multiply you have to use the *. So, you shouldn't write 3x, but 3*x.

x value	Equation	Algebraic Solution
1.		
2.		
3.		
4.		

5.

6.

7.

8.