

Balancing Equations Pre-Assessment

1. Rate 1 – 10 with 1 = Not Comfortable and 10 = Very Comfortable.

- Do you feel comfortable with solving algebraic equations? _____
- Is algebra confusing? _____
- Solving equations confusing? _____

2. Circle “Yes” or “No” if you understand any of these terms:

- | | | |
|---------------------|-----|----|
| • Equation: | Yes | No |
| • Integer | Yes | No |
| • Constant | Yes | No |
| • Unknown variable: | Yes | No |
| • Coefficient | Yes | No |

3. Can you solve for the unknown in $2x = 3 - 1$? If yes? ☺ Solve below.

4. Have you played with LEGO Mindstorms before? Circle: Yes or No. If yes, where and when?

5. Do you know what a **color sensor** is? Circle: Yes or No.
If yes, please explain your definition.