Literal Equations Exploration

# Solve each equation for *x*.

| 1. |  | 2. |
| --- | --- | --- |
|  | Explain each step you will take to isolate *x*. |  |
|  | Are you able to simplify like terms? If so, which ones? |  |
|  | Show your work here. |  |
|  | Give the solution in terms of \_\_ |  |

In Equation 2, what would *x* equal if , , and ?

| 3. |  | 4. |
| --- | --- | --- |
|  | Explain each step you will take to isolate *x*. |  |
|  | Are you able to simplify like terms? If so, which ones? |  |
|  | Show your work here. |  |
|  | Give the solution in terms of \_\_ |  |

In Equation 4, what would *x* equal if , , and ?

What do you notice about equations with just one variable and equations with four variables?