Two methods of solving an equation with fractions are shown below. Review both carefully and make sure you understand the steps.

Method 1:

|  |  |
| --- | --- |
| Convert all terms to have a common denominator |  |
| Get like terms together. |  |
| Multiply both sides by the denominator. |  |
| Divide by the coefficient of x. Simplify if necessary. |  |

Method 2:

|  |  |
| --- | --- |
| Multiply all terms by the common denominator so that denominators cancel out. |  |
| Get like terms together. |  |
| Divide by the coefficient of x. Simplify if necessary. |  |

Solve the equation below using both of the two methods shown above. Show enough of the steps that it is clear what method you are using.

|  |  |
| --- | --- |
| 1. Method 1: | 1. Method 2: |

Solve the following equations.

|  |  |
| --- | --- |
|  |  |

**Complete the following problems from the textbook. p. 151: 49-52, 59, 60**