Calculate the following:

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

Solve the following algebra:

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

Simplify the following equations:

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

Determine if the following are true or false:

* The logic symbol for ***and*** is: **∩**
* The logic symbol for ***or*** is: **∪**
* The logic symbol for ***not*** is: **¬**
* The logic symbol for ***xor*** is: **⊕**

Convert the following to mixed fractions (whole number + fraction):

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

Convert the following into percentages without using a calculator:

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

Calculate the following summations:

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

Find the Prime Factorization of the following numbers:

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