| Name | Function/Operation Code | Operation | Mnemonic Name |
|:---:|:---:|:---:|:---:|
| Addition | 000 | $A \leftarrow A + B$ | `ADD` |
| Subtraction | 001 | $A \leftarrow A - B$ | `SUB` |
| Multiplication | 010 | $A \leftarrow A \times B$ | `MUL` |
| Division | 011 | $A \leftarrow A \div B$ | `DIV` |
| Left Bit-Shift $B$-times | 100 | $A \leftarrow A << B$ | `LBS` |
| Right Bit-Shift $B$-times | 101 | $A \leftarrow A >> B$ | `RBS` |
| Test Equality | 110 | $A = B?$ | `EQ` |
| Test Magnitude | 111 | $A \geq B?$ | `GTE` |