Expressions

1. Expressions

Use the symbols +, -, *, and / to do addition, subtraction, multiplication, and division.

Use the symbol % to do modulus, i.e., the remainder of a division.

```cpp
int i;
float f;

i = 1 + 3 * (5 - 2);
cout << "a) " << i << endl;

f = 2.6;
cout << "b) " << f << endl;

i = 4.6;
cout << "c) " << i << endl;

f = 5/2;
cout << "d) " << f << endl;

f = 5.0/2.0;
cout << "e) " << f << endl;

f = 5%2;
cout << "f) " << f << endl;
```

Sample output:

```plaintext
a) 10
b) 2.6
c) 4
d) 2
e) 2.5
f) 1
```

What do the following assignment statements do?

- `n = n + 1;` equivalent to `n += 1;` equivalent to `n++;`
- `n = n - 1;` equivalent to `n -= 1;` equivalent to `n--;`
- `n = n * 1;` equivalent to `n *= 1;`
- `n = n / 1;` equivalent to `n /= 1;`