# C++ Worksheet

Write a program to evaluate the following expressions.

1) 14 / 3 \* 5 =

2) 10 % 3 – 6 / 2 =

3) 5.0 \* 2.0 / 4.0 \* 2.0 =

4) 5.0 \* 2.0 / (4.0 \* 2.0) =

5) 5.0 + 2.0 / (4.0 \* 2.0) =

6) 4 + 4 / 8 =

Write a program that divides two numbers. You may only use the + and – mathematical operators.

Write a program. Given the following:

int n1, n2;

float n3, n4;

Show the value stored in the variable after each of the following:

a) n4 = 4 / 5 \* 1.5;

b) n1 = 4 % 5 \* 1.5;

c) n2 = 1.5 \* 3 + 0.4;

Enter the following code. Research setprecision, setw, fixed and showpoint.

#include <iostream>  
#include <iomanip>  
using namespace std;

int main(void) {  
 float n1 = 3;  
 float n2 = 3.14159;  
 float n3 = 12.75;  
  
 cout << fixed << setprecision(2);  
 cout << setw(10) << n1 << endl;  
 cout << setw(8) << n2 << endl;  
 cout << n3 << endl;  
 cout << setw(10) << setprecision(5) << n3;  
}