

1. What is the output of the following program?

```
#include <iostream.h>

typedef int Integer;
typedef double Single;
struct Point
{
    int x;
    int y;
};

int main()
{
    Integer num = 5;
    Single slope = 0.0;
    Point a;
    Point b;

    a.x = a.y = 1;
    b.x = num;
    b.y = 2;

    slope = Single (b.y - a.y)/(b.x - a.x);
    cout << slope << endl;

    return 0;
}
```

2. What is the output of the following program?

```
#include <iostream.h>

enum month {Jan=1, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec};

int main()
{
    month birth = Jun;
    month now = Dec;

    if (now - birth < 3)
        cout << now << endl;
    else if (now - birth < 6)
        cout << now - 3 << endl;
    else
        cout << now + 3 << endl;

    return 0;
}
```