

```
#include <iostream>

using namespace std;

int main()
{
    int a, b, c;

    for (a = 1; a <= 12; a++) {

        for (b = 1; b <= 12; b++)

            for (c = 1; c <= 16; c++)

                if (c * c == a * a + b * b)

                    printf("a= %2d b = %2d c = %2d\n", a, b, c);

    }
}
```