

# Quiz 6

Mon Dec 7

You have up to 15 minutes. Please write your answers on this page, and your name at the top. You may not use the computer, notes, or books.

**The following program uses an array. What does it output?**

```
int main()
{
    const int SZ = 5;
    int g[SZ];
    int x = 5;
    for(int i = 0; i < SZ; i++)
    {
        x += i;
        g[i] = x+1;
    }
    for(int i = SZ-1; i > 0; i--)
    {
        cout << g[i] << "\n";
    }
    return 0;
}
```

The following program uses nested function calls with return values. What is its output?

```
int trot(int x)
{
    if(x > 4) {
        return x - 3;
    }
    else {
        return x - 1;
    }
}

int thaw(int y)
{
    return y+5;
}

int main()
{
    cout << trot(3) << "\n";
    cout << thaw(4) << "\n";
    cout << trot(thaw(5)) << "\n";
    cout << thaw(trot(thaw(6))) << "\n";
    return 0;
}
```