

## CS 12 - Quiz 2

### January 29, 1997

1. (12 pts) Define pass-by-value and pass-by-reference.

2. (8 pts) Define string.

3. (12 pts) Show the contents of A after the following code has been run.

```
int x = 2;
int A[4] = {6, 13, 34, 19};
int *ip = A;
```

```
(*ip)++;
ip++;
*(ip+x) += 4;
*ip = *A;
```

4. (8 pts) Give two good examples of when pointers are useful.

5. (10 pts) Fill in the blanks for the following code. The function TranslateTime should calculate the number of hours that are in the specified number of days and then calculate the number of minutes that are in the specified number of days. You are not allowed to use C++ reference parameters.

```
_____TranslateTime(_____)
{

}

void main()
{
    int days;
    int hours;
    int minutes;

    cout << "Enter the number of days: ";
    cin >> days;

    // call function TranslateTime

    _____
    cout << hours << " hours are in " << day << " days." << endl;
    cout << minutes << "minutes are in " << day << " day(s)." << endl;
}
```