

CSE 202, Winter 2018: Quiz 4

1. (2 points) What expression is equivalent to `p[i]` where `p` is a pointer and `i` is an integer?

Solution:

```
*(p + i)
```

2. (2 points) What expression is equivalent to `p = a` where `p` is a pointer and `a` is an array?

Solution:

```
p = &a[0]
```

3. (4 points) Suppose you have two `std::time_t` variables, `t1` and `t2` where `t1` is less than `t2`. What expression calculates the number of hours from `t1` to `t2`?

Solution:

```
difftime(t2, t1) / (60 * 60)
```

4. (4 points) Suppose you have two `std::tm` variables, `d1` and `d2` where `d1` represents an earlier date than `d2`. What single expression calculates the number of days from `d1` to `d2`?

Solution:

```
difftime(mktime(&d2), mktime(&d1)) / (60 * 60 * 24)
```

5. (1 point) What kind of pointers cannot be dereferenced?

Solution: Pointers to void