

# CSC 209 Review 4 Solution

August 19, 2020

1. The answer is a) `*p` and g) `*&i`.

## Notes

- **Address and Indirection Pointers**

- If `x` is a variable, `&x` points to its memory address
- `*` in `*p` is called **Indirection operator**
  - \* Allows variable to gain access to the object pointed by `p`

- **Aliases**

- Is the situation where the value in same memory location can be accessed using different variable names.

### Example 1:

```
int i, p*;
p = & i;
printf("%d\n", *p); /* *p is an alias of i */
```

### Example 2:

The following is another alias of `i`

```
p = *&i
```

2. Notes

- **Pointer Assignment**

- The following is an example of correct pointer assignment

```
int i, j, *p, *q;
p = &i;
```

–