

## CSE 160 Section 6 Solutions

1. {1, 6, 3, 9, 5, 2, 4} (note values in random order)

2. `print(set_one & set_two)`

The intersection is: {'a', 'c', 'd'}

3.

```
def all_unique_words(file_name):
    f = open(file_name, "r")
    unique_words = set()
    for line in f:
        words = line.split()
        for word in words:
            unique_words.add(word)
    return len(unique_words)
```

4. [('Sam', 5, 6), ('Ann', 7, 8), ('Fred', 3, 5), ('Zeke', 5, 3), ('Mary', 3, 5)]

```
[('Ann', 7, 8), ('Sam', 5, 6), ('Fred', 3, 5), ('Mary', 3, 5), ('Zeke', 5, 3)]
```

5. `from operator import itemgetter`

```
def oldest_name(age_list):
    sort_by_age = sorted(age_list, key=itemgetter(1,0))
    oldest_age = sort_by_age[len(age_list)-1][1]
    ret_list = []
    for name in sort_by_age:
        if(name[1] == oldest_age):
            ret_list.append(name)
```

```
return ret_list
```