

CSE143 Section #8 Cheat Sheet

For all problems involving maps, the contents will be displayed using the standard key=value pairs enclosed in curly braces used by toString. For example, given the following Map:

```
Map<Integer, String> months = new TreeMap<>();
months.put(3, "March");
months.put(1, "January");
months.put(2, "February");
```

the map would be displayed as follows:

```
{1=January, 2=February, 3=March}
```

Map<K, V> Methods (11.3)

put(key, value)	adds a mapping from the given key to the given value
get(key)	returns the value mapped to the given key (null if none)
containsKey(key)	returns true if the map contains a mapping for the given key
remove(key)	removes any existing mapping for the given key
clear()	removes all key/value pairs from the map
size()	returns the number of key/value pairs in the map
isEmpty()	returns true if the map's size is 0
keySet()	returns a Set of all keys in the map
values()	returns a Collection of all values in the map
putAll(map)	adds all key/value pairs from the given map to this map