Name_____ grade _____

1) Create an empty set_____
[1]

2) Write the result for following program code:
my_set_3 = set("aaabbbcccdddeeeeeeffff")
print(my_set_3)

_____
[1]

3) Write an operator to add an element to the set.

_____
[1]

4) Explain the purpose of the operators: remove and discard, determine the difference.

_____
_____
_____
_____
[2]

5) Given a set: banana, orange, apple. If the set contains the word "apple", show on the screen - True, otherwise - False.

[4]

6) Given a set: banana, orange, apple and the program code:
for i in my_set:
    print(i)
Show the result.

[1]

7) Explain the operator: u=m1.union(m2). Give one example, show sets and result.

_____
_____
_____
_____
_____
[2]

8) Given sets: odds: 1,3,5,7,9; evens: 0,2,4,6,8; primes: 2,3,5,7.
Show the result.

i=odds.intersection(evens) print(i) i=odds.intersection(primes) print(i) i=evens.intersection(primes) print(i)	

[3]

9) Explain what does mean Symmetric difference of sets.
_____
_____
_____
_____
_____

[1]

10) Given setA: 1,2,3,4,5,6,7,8,9; setB: 1,2,3,10,11,12.
Show the result for program code:
diff_set=setA.symmetric_difference(setB)
print(diff_set)
diff_set=setB.symmetric_difference(setA)
print(diff_set)
_____
_____

[1]

 11) Explain the purpose of the operators:
issubset(setX)
_____
_____
issuperset(setX)
_____
_____
isdisjoint(setX)
_____
_____

[3]

12) Define the type of data which return issubset, issuperset, isdisjoint._____

[1]