**Name: ID: Section: [A]**

| **1** | **class A:** |
| --- | --- |
| **2** | **temp = -5** |
| **3** | **def \_\_init\_\_(self):** |
| **4** | **self.sum = 0** |
| **5** | **self.y = 0** |
| **6** | **self.y = self.temp - 3** |
| **7** | **self.sum = A.temp + 2** |
| **8** | **A.temp -= 2** |
| **9** | **def methodA(self, m, n):** |
| **10** | **x = 1** |
| **11** | **A.temp += 1** |
| **12** | **self.y = self.y + m + self.temp** |
| **13** | **x = x + 1 + n** |
| **14** | **self.sum = self.sum + x + self.y** |
| **15** | **print(f"{x} {self.y} {self.sum}")** |
| **16** | **class B(A):** |
| **17** | **x = -10** |
| **18** | **def \_\_init\_\_(self, b = None):** |
| **19** | **super().\_\_init\_\_()** |
| **20** | **self.y = 5** |
| **21** | **self.temp = -5** |
| **22** | **self.sum = 3** |
| **23** | **if b == None:** |
| **24** | **self.y = self.temp + 4** |
| **25** | **self.sum = 3 + self.temp + 3** |
| **26** | **self.temp -= 2** |
| **27** | **else:** |
| **28** | **self.sum = b.sum** |
| **29** | **B.x = b.x** |
| **30** | **def methodA(self, m, n):** |
| **31** | **x = 1** |
| **32** | **self.temp += 1** |
| **33** | **self.y = self.y + m + self.temp** |
| **34** | **x = x + 5 + n** |
| **35** | **super().methodA(x, m)** |
| **36** | **self.sum = self.sum + x + self.y** |
| **37** | **print(f"{x} {self.y} {self.sum}")** |
| **38** | **def methodB(self, m, n):** |
| **39** | **y = 3** |
| **40** | **y = y + self.y** |
| **41** | **B.x = self.y + 7 + self.temp** |
| **42** | **self.methodA(B.x, y)** |
| **43** | **self.sum = self.x + y + self.sum** |
| **44** | **print(f"{B.x} {y} {self.sum}")** |