Name	Period
INallie	Periou

```
Skill 19.1 Exercise 1
Consider the following partial class declaration
public class SomeClass{
      public int myA;
     public int myB;
     public int myC;
     public int getA(){     return myA;
     public void setB(int value){      myB = value;
                                                                 }
}
The following declarations appear in another class. For each declaration indicate whether or not it will compile
without error. If the declaration does not compile indicate why.
SomeClass obj = new SomeClass();
int x = obj.getA();
int x;
obj.getA(x);
int x = obj.myA;
double x = obj.getA();
int x = getA(obj);
int x = setB(5);
System.out.println(obj.setB(5));
```

Skill 19.1 Exercise 1

The Element class below describes elements on the periodic table. When an element is created it is assigned the appropriate symbol and atomic number.

- (a) Create instance variables for symbol, atomic number, and mass
- (b) Write a constructor which accepts two parameters and initializes the symbol and atomic number for the element
- (c) Write getter methods for the symbol and atomic number
- (d) Write a setter method called setIsotope which sets the mass of the element

```
public class Element{
```

Name	Period

```
Skill 19.3 Exercise 1
Consider the following class declarations
public class Student{
    private String myName;
    private int myAge;

    public Student(){ /* implementation not shown */ }
    public Student(String name, int age){ /* implementation not shown
*/ }
}
Which of the following will compile without error? For those that do no compile, indicate why.
Student a = new Student();
Student b = new Student("Juan", 15);
Student c = new Student("Juan", "15");
Student d = new Student(15, "Juan");
```

```
Skill 19.3 Exercise 2
Consider the following class declarations
public class SumNums{
     private int num1;
     private int num2;
     public SumNums(int a, int b){
          num1 = a;
          num2 = b;
     public int sum2(){
           return num1 + num2;
     public int sum2(int a, int b){
           return a + b;
Which of the following will compile without error? For those that do no compile, indicate why.
SumNums s = new SumNums(1, 2);
s.sum2(5.0, 3.0);
SumNums s = new SumNums(1, 2);
int i = s.sum2();
SumNums s = new SumNums(1, 2);
double d = s.sum2();
```

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Name ______Period _____