

Name : _____ Date : _____

A+ Stacks Worksheet 1

Show the output of each block of code below.

1. What is the output?

```
Stack<Integer> a = new Stack<Integer>();  
a.push(45);  
a.push(76);  
a.push(34);  
out.println(a);  
out.println(a.pop());
```

2. What is the output?

```
Stack<Integer> b = new Stack<Integer>();  
b.push(45);  
b.pop();  
b.push(34);  
out.println(b);  
out.println(b.pop());
```

3. What is the output?

```
Stack<Integer> c = new Stack<Integer>();  
c.push(45);  
out.println(c.peek());  
c.push(34);  
out.println(c.pop());  
c.push(67);  
out.println(c);
```

4. What is the output?

```
Stack<Double> d = new Stack<Double>();  
d.push(3.5);  
d.pop();  
d.push(7.1);  
d.push(5.8);  
out.println(d);  
out.println(d.pop());
```

5. What is the output?

```
Stack<String> e = new Stack<String>();  
e.push("45");  
e.push("ab");  
e.pop();  
e.push("ET");  
out.println(e);  
out.println(e.pop());  
out.println(e.size());
```

6. What is the output?

```
Stack<String> f = new Stack<String>();  
f.push("we");  
f.push("go");  
f.push("by");  
f.push("us");  
while(!f.isEmpty()){  
    out.println(f.pop());  
}
```