

Review Question Answers  
Mr. Fahrenbacher  
AP Computer Science A

1. 110001
2. 109
3. 1, 1.6666..., 2
4.  $\text{Math.random()} * (10 - -5 + 1) + -5 = \text{Math.random()} * 16 - 5$  (there are 16 #'s between -5 and 10)
5.

```
int product = 1;
Scanner sc = new Scanner(System.in);
for(int i=0; i<5; i++)
{
    System.out.print("Enter a number: ");
    product *= sc.nextInt();
}
System.out.println("\nProduct: " + product);
```
6. !A && !B
7. false && true || true ==> false || true ==> **true**
8. syntax errors are improperly typed java code - it will not compile  
logical errors are properly typed java code that will compile, but doesn't do what it was intended to do
9. It will run 5 times. **alpha**'s final value will be 13, **loopCount** will end up being 6.