

2. Write the following for-loops as while loops		
(a)	<pre> int y; for(y = 5; y < 10; y+=2) { System.out.println(y); } </pre>	(b)
		<pre> for(int z = 10; z > 0; z--){ System.out.println(z); } </pre>
		/4

3. What is the output for each code segment below,		
(a)	(b)	
<pre> int m = 0; int j = 0; do{ j *= -1; if(j >= 0){ m += 2; } j+=2; }while(m < 4); System.out.println(j); </pre>	<pre> int i = 5, j = 0; do{ for(j = 0; j < i; j++){ System.out.print("*"); } System.out.println(); i--; }while(i > 0); </pre>	
		/4

4. The Magic 8 Ball is a plastic sphere resembling an 8-ball. Inside is a floating die with 20 faces. Each face has an affirmative, negative, or non-committal statement printed in raised letters. These messages are read through a window on the ball's bottom in response to a “yes” or “no” question. Finish the Magic8Ball class which simulates a Magic 8 Ball. You simulator needs to produce messages for the first 2 cases only. Once the message is displayed, prompt the user if they would like to play again. If the user types “y”, the simulation will continue to run.

```
Public class CountHeads{
```

```
    public static void main(String args[]){
```

```
    }  
}
```

/6

