

Name : _____

AP CS A WORKSHEET

Directions : Show what is printed out for each of the following code segments. Once you have written answers to all questions, type in and run the code to check your answers.

1.

```
int[][] mat = new int[3][3];
mat[1][2] = 9;
mat[2][0] = 212;
mat[1][1] = mat[1][2]*2;
mat[0][0] = 7;
System.out.println( mat[0][0] );
System.out.println( mat[2][0] );
System.out.println( mat[1][1] );
```

2.

```
int[][] mat = {{212,4,5},{0,9},{-1,8,7},{99}};
System.out.println( mat[0][0] );
System.out.println( mat[2][0] );
System.out.println( mat[1][1] );
mat[1]= new int[3];
mat[1][1] = 99;
System.out.println( Arrays.toString( mat[1] ) );
```

3.

```
int[][] mat = {{0,-2,8},{212,11},{-1,5,-7}};
for( int[] row : mat )
{
    for( int item : row )
    {
        System.out.print( item + " " );
    }
    System.out.println();
}

System.out.println( Arrays.toString( mat[0] ) );
System.out.println( Arrays.toString( mat[1] ) );
System.out.println( Arrays.toString( mat[2] ) );
```

What is printed on the screen?