Worksheet: 2D Arrays 3 Name: _____

1. Write one line of code that will store the number 2.718 into the fourth row and sixth column of a two-dimensional array called ***radish*** (the array has already been declared and initialized).

2. Consider the array and code below. Using nested for-loops write code that will find the sum of all the elements.

```
int[ ][ ] sweetPotato = new int[4][5];          //assume this array is filled with integers
```

3. Write code that will sum all the numbers in the 2nd row of the ***sweetPotato*** array.

4. Write code that will sum all the numbers of the 3rd column of the ***sweetPotato*** array.

5. Consider the ***vegetable*** array shown to the right:
Complete the missing code below so the shown output occurs.

1	3	7	2
4	9	0	6
8	0	5	1

```
int sum=0;
for(int i=0 ; i<=vegetable.length-1 ; i++) {
    for(int j=0 ; j<=vegetable[i].length-1 ; j++)
        /*  MISSING CODE #1  */
    System.out.println(  /* MISSING CODE #2 */  );
    /*  MISSING CODE #3  */
}
```

Output:

```
Row 1 sum = 13
Row 2 sum = 19
Row 3 sum = 14
```

MISSING CODE #1 =

MISSING CODE #2 =

MISSING CODE #3 =