

1) Finish this method that fills an array with these values: 1, 2, 3..., n-1, n, n-1, ..., 3, 2, 1

//Hint: you need to make an array (how large?) Try an example with $n = 5$ to get the proper motivation...

```
public int[] createWedge(int n) {
```

```
}
```

2) If you take any two positive integers m and n ($m > n$), then new numbers a , b , and c can be calculated where:

$$a = m^2 - n^2$$

$$b = 2mn$$

$$c = m^2 + n^2$$

These numbers a , b , and c form a pythagorean triple:

$$a^2 + b^2 = c^2$$

Create a method that takes m and n as parameters and returns an array of 3 elements containing the values of a , b , and c . Write a sentence or two afterwards describing special cases for values of m and n that should be considered.