Wyo Java
Ch. 5 Worksheet #1

Name –
Period –

1. Assume that the `int` variable `num` contains a positive value. Write an `if` statement that displays "even" if `num` is even and "odd" if `num` is odd.

2. Assume that the `double` variable `grade` is a value between or including 0 and 100. Write an `if else if` (or some variation of an `if` statement) that displays the student's grade as determined by Mr. Minich's grading scale (e.g. A is 89.5%-100%).

3. Write a method named `factors` that accepts an `int` parameter named `num`. The method must display all of the prime factors of `num` in ascending order on one line of output separated by single spaces. You are guaranteed as a precondition that `num` is less than 11.

```
// precondition: num < 11
// postcondition: all prime factors are displayed
//    in ascending order separated by single spaces
//    Example: if num is 10, the output "2 5" is displayed
public void factors(int num)
{
      print code here
```

4. On the back of the paper, write a class named `Triplet` that contains 3 integer instance fields named `num1`, `num2`, & `num3`. Include a default constructor that initializes the properties to zero. Include an "other" constructor that allows a client to initialize the 3 properties. Include a method named `getLargest` that returns the largest of the 3 properties. Include a method named `getMedian` that returns the median value. For example, if the values of the five properties are 12, 4, & 7, then the median value is 7.