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Lab 1

<u>Questions</u>

1.4) hertz

2.1)

```
1 public class Test {

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

3 double i = 50.0;

4 double k = i + 50.0;

5 double j = k + 1;

6

7 System.out.println("j is " + j + " and k is " + k);

8

9        }

10 }
```

2.5)

```
1 public class Test {

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

                // k is not defined

3                int i = k + 2;

4                System.out.println(i);

5        }

6 }
```

2.6)

```
1 public class Test {
2        public static void main(String[] args) {
                // j and k are not defined
3                int i = j = k = 2;
4                System.out.println(i + " " + j + " " + k);
5        }
6 }
```

2.9)

```
1 public class Test {
2        public static void main(String[] args) {
3                double miles = 100;
4                final double KILOMETERS_PER_MILE = 1.609;
5                double kilometers = miles * KILOMETERS_PER_MILE;
6                System.out.println(kilometers);
7        }
8 }
```

Short Essay

Agile development makes use of teams with various skill sets. This is a more efficient technique and can result in better code, as there are many specialists who collaborate with their skills versus one programmer who may has to perform all steps of the development process themselves and go back to a previous stage in the process to correct an error, such as in the waterfall model.