

Name:

Andrew ID:

18-756 Coursework 1 Answer sheet

Please keep any code change descriptions and explanations (in this document) to under 10 lines – the code comments and structure should allow the TA to easily see what you have done. Also, remember to comment in your source code where you have made changes. Example:

On answer this sheet: “

Ex1)

Explanation: I changed the SONETRouter.receiveFrame to start a fire when it receives a frame. I did this using if(receive==true) and the .setIsOnFire(true)

Code:

//Added question 1.h) onFire code below

```
public SONETRouter.receiveFrame(){
```

```
// check that we did receive a frame
```

```
if(receive==true){
```

```
    // as we have received a frame set the datacenter on fire, and update the isOnFire variable
```

```
    this.startFire();
```

```
    this.setIsOnFire(true);
```

```
    // Do the next thing
```

```
    ....
```

```
}
```

```
}”
```

ANSWERS

1.a)

Explanation:

Code:

1.b)

Explanation:

Code:

1.c)

Explanation:

Code:

1.e)

Explanation:

Code:

1.f)

Explanation:

Code:

2.a)

Explanation:

Code:

2.b)

Explanation:

Code:

2.c)

Explanation:

Code:

2.d)

Explanation:

Code:

Grade:

/ 40

/40

/20

/100