

Returns & Conditionals (if/else) Warm Up:

Complete in Class today in writing: Answer the five questions in the comments. For 1 – 3) Make changes to the code below and part 4) & 5) write your answers on the back of this sheet. Thanks.

```
public class ReturnsAndLogicWarmUp {
    /* Review this code and answer the questions below
       Line Numbers are shown at the left for your reference
    */
    public static void main(String[] args) {

        // 1) Change the method ageIn2050 so it returns the age instead of printing it.
        // 2) And modify the code below so it will print it out correctly...
        int futureAge = 0;

        ageIn2050(1997);

        System.out.println("You will be " + futureAge + " in 2050.");

        // 3) How could you do this without needing variable futureAge?
        System.out.println(); // spacer line

        // 4) What do these calls cause the if statement in yourScore to print?
        // Is it correct?
        yourScore(95);
        yourScore(75);
        yourScore(65);
        yourScore(55);
    }

    // 1) Modify this method so it returns the value instead of printing it
    public static void ageIn2050(int birthYear) {

        int yourAgeIn2050 = 2050 - birthYear;
        System.out.println("You will be " + yourAgeIn2050 + " in 2050.");

    }

    // 5) How can you fix this code to do the right thing? (Write it on the back)
    public static void yourScore(int percent) {
        System.out.println("Your score is " + percent + ".");
        if (percent >= 90) {
            System.out.println("You got an A!");
        }
        if (percent >= 80) {
            System.out.println("You got a B!");
        }
        if (percent >= 70) {
            System.out.println("You got a C!");
        }
        if (percent >= 60) {
            System.out.println("You got a D!");
        }
        else {
            System.out.println("You got an E!");
        }
        System.out.println(); // spacer line.
    }
}
```

Name: _____ Period: _____

Returns & Conditionals (if/else) Warm Up:

```
// 4) What do these calls cause the if statements in yourScore to print?  
//     Is it correct?  
yourScore(95);
```

```
yourScore(75);
```

```
yourScore(65);
```

```
yourScore(55);
```

```
// 5) How can you fix yourScore to do the right thing? (Write it here)
```

*** Last Questions:** Did you read the text on Returns & Conditionals and/or review the Presentation as requested three times last week?

Yes No, if you answered "No", please let me know why?