CIS 255 - Java Programming
Homework #9 (Notes)
Strings

Name: _____

Date: _____

1. **Given the declared and initialized string value below, determine the value for the variable result after each of the following statements is executed or specify error if a Java exception would be thrown:**

```
String s = "Piper Meridian airplanes are GREAT!"
```

a.)
```
String result = s.substring(6, 14);
```

b.)
```
String result = s.charAt(4);
```

c.)
```
String result =
    String.valueOf(s.charAt(0)) + s.charAt(s.length() - 29);
```

d.)
```
String result = s.substring(29, s.length()).toLowerCase();
```

e.)
```
String result =
    (s.substring(0, 5) + " " + s.charAt(1)).toUpperCase();
```

f.)
```
boolean result =
    s.equals("piper meridian airplanes are great!");
```

g.)
```
boolean result =
    s.equalsIgnoreCase("PiPeR MeRiDiAn AiRpLaNeS aRe GrEaT!");
```

h.)
```
boolean result =
    !s.equals("Piper Meridian airplanes are GREAT!");
```

2. **Write a Java class ExampleHmWk9Q2, which accepts an input argument when the application is executed from the command-line. Add the method middle(s) which accepts a string as a parameter and returns the middle character of a String if odd number of letters or characters of a String if even number of characters by using the standard charAt(), substring(), and/or String.valueOf() String methods. (Hint: Use the % operator)**

3. **Write an interactive Java class ExampleHmWk9Q3, which accepts an input argument when the application is executed from the command-line. Accept input from the user and compare the value entered to the command-line argument value. If the string entered does not contain the string from the command-line argument, display the message "KEYWORD NOT FOUND!" to the user, otherwise display "FOUND THE KEYWORD!" and exit the program.**