Your Name:

Class practice: Week of September 21, 2020

Due by midnight on your class day.

Question 1. Consider the following conditional statement.

```java
void setup() {
    if (h > 60) {
        println("Taller than 5 ft");
    } else if (h > 48) {
        println("Taller than 4 ft");
    } else if (h > 36) {
        println("Taller than 3 ft");
    } else {
        println("Too small for this ride");
    }
}
```

(a). Draw the decision diagram corresponding to the code above.

(b). What is printed when h is 12? Too small for this ride

(c). What is printed when h is 48? Taller than 3 ft

(d) $h = 48 \rightarrow$ Taller than 3 ft

Question 2. Consider the following conditional statement.

```java
void setup() {
    if (h > 36) {
        println("Taller than 3 ft");
    } else if (h > 60) {
        println("Taller than 5 ft");
    } else if (h > 48) {
        println("Taller than 4 ft");
    } else {
        println("Too small for this ride");
    }
}
```

(a). Draw the decision diagram corresponding to the code above.

(b). What is printed when h is 12? Too small for this ride

(c). What is printed when h is 48? Taller than 3 ft

(d) $h = 48 \rightarrow$ Taller than 3 ft
Question 3. The primary colors are red, blue and yellow. Suppose we have a String variable which stores a color name, such as "red", "purple", or "chartreuse". Write an if statement to check if the color is primary. Below is sample output from your program.

green is not primary
red is primary
Blue is not primary

String colorName = "red"; // define name variable
void setup() {
  // Your code here
  if (colorName == "red" || colorName == "blue" || colorName == "yellow") {
    println (colorName + " is primary");
  } else {
    println (colorName + " is not primary");
  }
}