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 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?
(c). What is printed when \( h \) is 43?

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?
(c). What is printed when \( h \) is 43?
**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
```

```java
void setup() {
   // Your code here
}
```