CS 161 Recitation
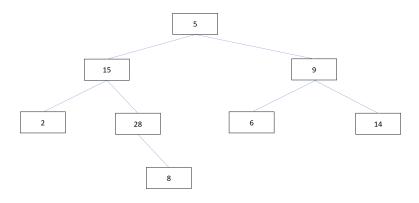
Worksheet: Week 6

1. What is your understanding of Pass by Value and Pass by Reference?

2. Compare and contrast C++ references and pointers. What do you not understand?

3. Write a print_to_zero(int i) function that will print from i to 0 *recursively*.
    Note that your code should not use any loop such as **while**, **do-while**, or **for**.

```
void print_to_zero(int i){




}
```

4. See if you can figure out what the following *recursive algorithm* will print based off the binary tree (Don't be intimidated, try tracing through the algorithm):

```
void Print_value(square x){
      if square x does not exist
            return  //Don't print anything
      Print_value(x's left child)
      cout << x's value;
      Print_value(x's right child)
}
```