

Quiz 6

Name: _____
NetID: _____

Question (7 points):

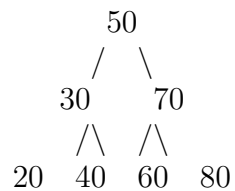
Write a method for `BinarySearchTree<V>`,

```
private int thirdLargest(SortEntry<V> p)
```

that returns the third largest key in the subtree rooted at `p`. You may assume that this subtree contains at least three elements.

Example:

Consider the following subtree rooted at node `p`:



The keys in sorted (ascending) order are:

[20, 30, 40, 50, 60, 70, 80]

The **third largest** key in this subtree is 60.

Answer:
