Analysis

1) A) Depending on how many items are already in the queue, I would give it the highest available priority. The highest available depends on how close to the front it was inserted. Closer to the front has a higher priority.

   B) As I insert things, they would have very low priorities and as the stack is growing the inserted items have higher priorities than the ones inserted before.

2) A) The highest priorities would be at the top of the heap (to the left of the array). So the next to highest would be the child of that which will be at index 1.

   B) The lowest priority would be at the very end of the array. The last spot would be the lowest priority since the arrays are filled left to right.