Solomon Lisk's Problem Set 3

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1. $\mathcal{O}(n)$
2. $\mathcal{O}(lgn)$

```
x=number searching for
low;
mid;
high
for(int i=0;i<n;i++){
  if(A[i] ==x){
   return x;
  }
  else if(A[i]> mid){
   low=mid;
  }
  else if(A[i]<mid){
   mid=high;
  }
  recurse through
}
```