Find the k smallest

Given an array A with n comparable elements, we want to find the k smallest elements in A where $1 \leq k \leq n$.

Input: An array A of n comparable elements, and an integer $1 \leq k \leq n$
Output: A list with the k smallest elements from A

```
1 Procedure FindMin(A, k)
  |  // ···
```

Write a procedure that computes `FindMin(`A`, `k`)` in:

(a) $\mathcal{O}(k \cdot n)$

(b) $\mathcal{O}(n \cdot \log(n))$

(c) $\mathcal{O}(n \cdot \log(k))$ *or* $\mathcal{O}(n + k \cdot \log(n))$