Kotlin: The basics - Homework

Question 1:

The `contains(element: String)` function returns `true` if the string `element` is contained in the string it's called on. What will be the output of the following code?

```
val decorations = listOf ("rock", "pagoda", "plastic plant", "alligator", "flowerpot")

println(decorations.filter {it.contains('p')})
```

A. `[pagoda, plastic, plant]`

B. `[pagoda, plastic plant]`

C. `[pagoda, plastic plant, flowerpot]`

D. `[rock, alligator]`

Answer: C

Question 2:

In the following function definition, which one of the parameters is required? `fun shouldChangeWater (day: String, temperature: Int = 22, dirty: Int = 20, numDecorations: Int = 0): Boolean {...}`

A. `numDecorations`

B. `dirty`

C. `day`

D. `temperature`

Answer: C

Question 3:

You can pass a regular named function (not the result of calling it) to another function. How would you pass `increaseDirty( start: Int ) = start + 1` to `updateDirty(dirty: Int, operation: (Int) -> Int)`?

A. `updateDirty(15, &increaseDirty())`

B. `updateDirty(15, increaseDirty())`

C. `updateDirty(15, ("increaseDirty()"))`

D. `updateDirty(15, ::increaseDirty)`

Answer: D