1)

Asymptotic Complexity: O(1)

No loops or recursive calls

2)

$T(n) = 5(n-10) + T(n/2)$

Outer loop iterates 5 times

Inner loop iterates n-10 times

Recursive call with parameter n/2

Asymptotic Complexity: $O(n^2)$

3)

$T(n) = T(2n/3) + 12$

Loop that iterates 12 times

Recursive call to F2 with parameter 2n/3

Asymptotic Complexity: $O(n^{(3/2)})$

4)

$T(n) = n * \sum(i)$

Loop that iterates n times

Asymptotic Complexity: $O(n^2)$