Revision questions on function points

Q1: Which of the following statements is TRUE and which is FALSE

1) The transaction functions EI (external inputs), EO (external outputs), EQ (external inquiries) are measured by counting FTRs (file type referenced) and DETs (data element type) that they contain. T

2) The data functions ILF (internal logic files) and EIF (external interface files) are measured by counting DETs (data element type) and RETs (record element type) that they contain. T

3) The processing logic of external inquiries (EQ) present information to the user through the retrieval of data or control information and must contain mathematical formulas for calculations. F

4) The processing logic of external outputs (EO) present information to the user through the retrieval of data or control information and must contain at least one mathematical formula for calculations. T

5) The value adjustment factor VAF exerts an influence of ±65% on the final adjusted function points FP count. F , the right answer +- 35%

6) Function point is independent of both technology and programming languages. T

7) Windows, interfaces, and dialog boxes are GUI that can be used in counting function points. T

8) Requirements are the only thing needed for function point count. T

Q2: Choose the right answer

9) The most popular method in estimating development effort is:
a) Function points method b) Lines of code method (LOC) c) Use case method

10) Screens, reports, graphs, or control signals that the program generates for use by an end user or other program are considered …
a) External Inputs b) External Outputs c) External queries

11) One of the following is a function point counting method:
a) Use cases method
b) Web pages
c) The Dutch method

Q3: Choose the right answer for the following problems

12) If you have 345 unadjusted function points, and the influence factor = 1.2 then the adjusted function points will be:

adjusted function points = unadjusted function points * VAF

a) 287
b) 414
c) 346.2

13) If the Total Degree of Influence (TDI) on function point adjustment is given by the equation TDI = Σ14 factor's Degrees of Influence and the degree of influence of each factor is measured on a scale of zero to five, then the range of TDI will be:

Varies from 0 to 5

a) $0 \leq TDI \leq 70$
b) $14 \leq TDI \leq 70$
c) $5 \leq TDI \leq 14$

14) If the value adjustment factor of function points counting is given by the equation: ***VAF = (TDI × 0.01) + 0.65*** and ***TDI = Σ14 factor's Degrees of Influence*** and the degree of influence of each factor is measured on a scale of zero to five, then the range of VAF will be:

a) $0.65 \leq VAF \leq 1.35$
b) $0.79 \leq VAF \leq 1.35$
c) $0.65 \leq VAF \leq 0.7$