Q 1: (3,4,5) a valid triangle

Not e.g. (1,4,1): invalid triangle
Q 2: (3,3,3) an **equilateral** triangle
Q 3: (3,4,3) valid isosceles triangle. Not e.g. (1,4,1): invalid triangle.
Q 4: all permutations of valid isosceles triangle \((4,4,3), (3,4,4)\)
Q 5: one side with zero value (0,4,3)
Solution — 1 Point for each Correct Answer

Q 6: one side with **negative** value (-1,4,3)
Q 7: (2,4,2) a **invalid** triangle with equal sum

Q 8: permutations of previous (2,2,4), (4,2,2)
Solution — 1 Point for each Correct Answer

Q 9: (1,4,2) a invalid triangle with unequal sum

Q 10: permutations of previous (1,2,4), (4,2,1)
Q 11: all sides zero (0,0,0)
Q 12: at least one value is non-integer (1,3,2.5)
Q 13: wrong number of arguments (2,4) or (1,2,3,3)
Q 14 (the most important one):

Did you specify the expected output in each case?
About the Quiz

- Q 1–13 correspond to failures that have actually occurred in implementations of the program
- How many questions did you answer?
  < 5? 5 – 7? 8 – 10? > 10? All?
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- Q 1–13 correspond to failures that have actually occurred in implementations of the program
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- Highly qualified, experienced programmers score 7.8 on average