Errata for All Tests from AHS-PB Statewide Feb 2022

Precalculus Individual:

<u>Questions #5, #6, and #7</u> were disputed from B to B or E, from C to C or E, and from B to B or E, respectively. The original wording in the introductory information to questions 5 - 7 indicated that all students take "at least one of the following foreign language classes" which implies that none of the students in the described group take 0 of the listed classes. However, the intended Venn diagram solution clearly shows that exactly one student does not take any of the three listed foreign language classes, which contradicts the "at least one" verbiage. It was deemed reasonable to accept either the intended interpretation or accept E) NOTA for all three questions due to this discrepancy. The wording in the question was modified to "students take zero, one, or more of the following foreign language classes" to make the questions consistent with the intended solutions prior to uploading the test to the FAMAT test bank.

<u>Question #10</u> was disputed from D to D or E because the "focal length" of an ellipse is not well defined. The solutions document was modified to indicate that either D or E is acceptable prior to uploading the files to the FAMAT test bank because the question is legitimately open to interpretation.

<u>Question #15</u> was thrown out because $r\theta$ is not easily expressed in rectangular coordinates. Both the test and solutions document were modified to indicate this prior to uploading them to the FAMAT test bank.

Calculus Individual:

<u>Question #17</u> was disputed from A to E because the original question indicated that the solid of revolution was formed by revolving about the x-axis; yet the solution is based upon revolving about the line y = 1 which leads to a solution of 13; which is not listed amongst the choices. The wording of the question in the test was modified to reflect this prior to uploading it to the FAMAT test bank.

<u>Question #26</u> was thrown out because the Mean Value Theorem requires continuity at each endpoint of a given interval yet the given function has a vertical asymptote at the left endpoint x = 1. This was indicated on both the test and solutions files prior to uploading them to the FAMAT test bank.

Calculus Team:

Question #7 was thrown out due to some printing errors which lead to some defective tests. No changes were made to the question as it is presumably fine otherwise. Question #13 was used in its place.

Statistics Team:

Parts A and B to question #7 were changed to accept the answers of 1 and 0, respectively. This because the original wording of the question parts were inconsistent with the intention of requesting the mean and variance of a geometric random variable, respectively. Rather, the two question parts both actually describe a deterministic scenario in which there is inevitably a single success and so the expected value is 1 and the variance is 0. The wording of both question parts were modified in order to reflect the original intended solution prior to uploading the test file to the FAMAT test bank.

Thank you,
VP MRG