

Mathematics 115

First Exam, July 4, 1776

1. One of these things is not like the others; one of these things is not the same. Which one is different?

A. John
B. Paul
C. George
D. Ringo
E. Socrates

2. One of these things is not like the others; one of these things is not the same. Which one is different?

A. John B. Paul C. George D. Ringo
E. Socrates

3. Approximate $\int_0^1 \sin x^2 dx$ within .001 of its true value.

4. (a) What changes to the van Allen radiation belt are needed to make the earth into a regular icosahedron?

- (b) Where should the field generator be constructed if you want one of the vertices to be located at the Royal Observatory at Greenwich?

5. Who's buried in Grant's tomb?

5. _____

Name: _____

6. What was the color of George Washington's white horse?

6. _____

7. Which is heavier: A pound of feathers, or a pound of lead?

7. _____

8. Answer the following questions on the lines at the right:

- (a) Who's buried in Grant's tomb?

(a) _____

- (b) i. What light through yonder window breaks?

i. _____

- ii. To be, or not to be; that is the question?

ii. _____

- (c) What was the color of George Washington's white horse?

(c) _____

9. One of these things is not like the others; one of these things is not the same. Which one is different?

A. John
B. Paul
C. George
D. Ringo
E. Socrates

10. One of these things is not like the others; one of these things is not the same. Which one is different?

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- A. John B. Paul C. George D. Ringo
E. Socrates

11. Approximate $\int_0^1 \sin x^2 dx$ within .001 of its true value.

12. (a) What changes to the van Allen radiation belt are needed to make the earth into a regular icosahedron?

(b) Where should the field generator be constructed if you want one of the vertices to be located at the Royal Observatory at Greenwich?

13. Who's buried in Grant's tomb?

13. _____

14. What was the color of George Washington's white horse?

14. _____

15. Which is heavier: A pound of feathers, or a pound of lead?

15. _____

16. Answer the following questions on the lines at the right:

(a) Who's buried in Grant's tomb?

(a) _____

(b) i. What light through yonder window breaks?

i. _____

ii. To be, or not to be; that is the question?

ii. _____

(c) What was the color of George Washington's white horse?

(c) _____