

This exam has 11 problems on 9 pages. There are no calculators, phones, or other electronic devices allowed during this exam. Be sure to show all your work.

Name: _____

Score:

Problem 1. This is a numbered problem.

Problem 2. This is the second numbered problem.

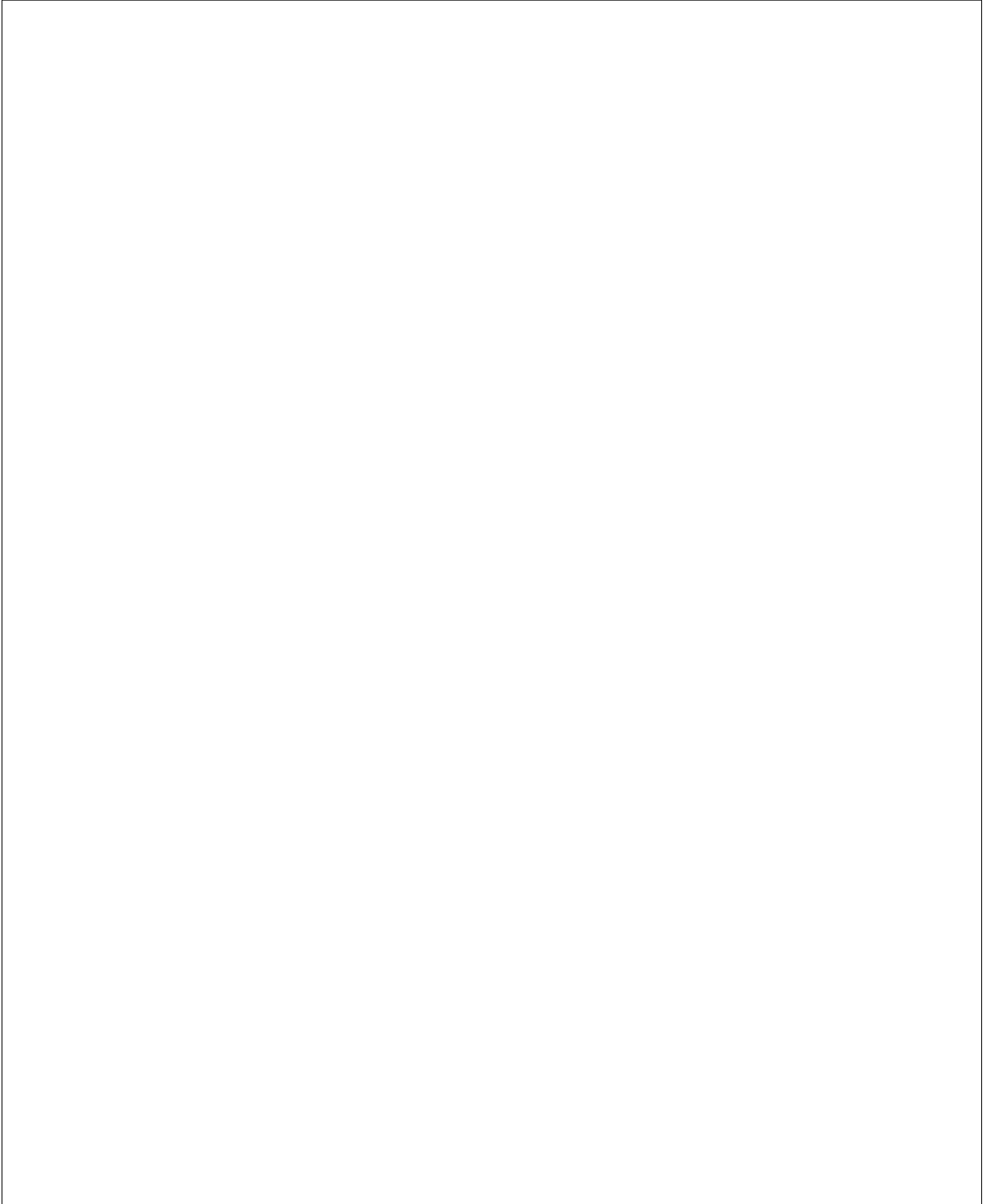
Problem 3. Choosing an answer to this questions at random, what is the chance that it will be correct?

- (a) 25%
- (b) 50%
- (c) 70%
- (d) 25%

Problem 4. Solve the Riemann Hypothesis. Be sure to justify each step.

Problem 5. Write an answer to an unasked question in the space below.

Problem 6. Write an award winning level novel in the space below.

A large, empty rectangular box with a thin black border, intended for writing a novel. The box is completely blank and occupies most of the page's vertical space.

Problem 7. Choose an option.

- (a) Here is an option.
- (b) Here is another.
- (c) A third choice!

Problem 8. Answer the following parts completely.

(a) What is Mathematics?

(b) Why are we here?

(c) What is the meaning of life?

Problem 9. What is $2 + 2 = ?$

(a) Martha Washington

(b) Mars

(c) 17

(d) 4

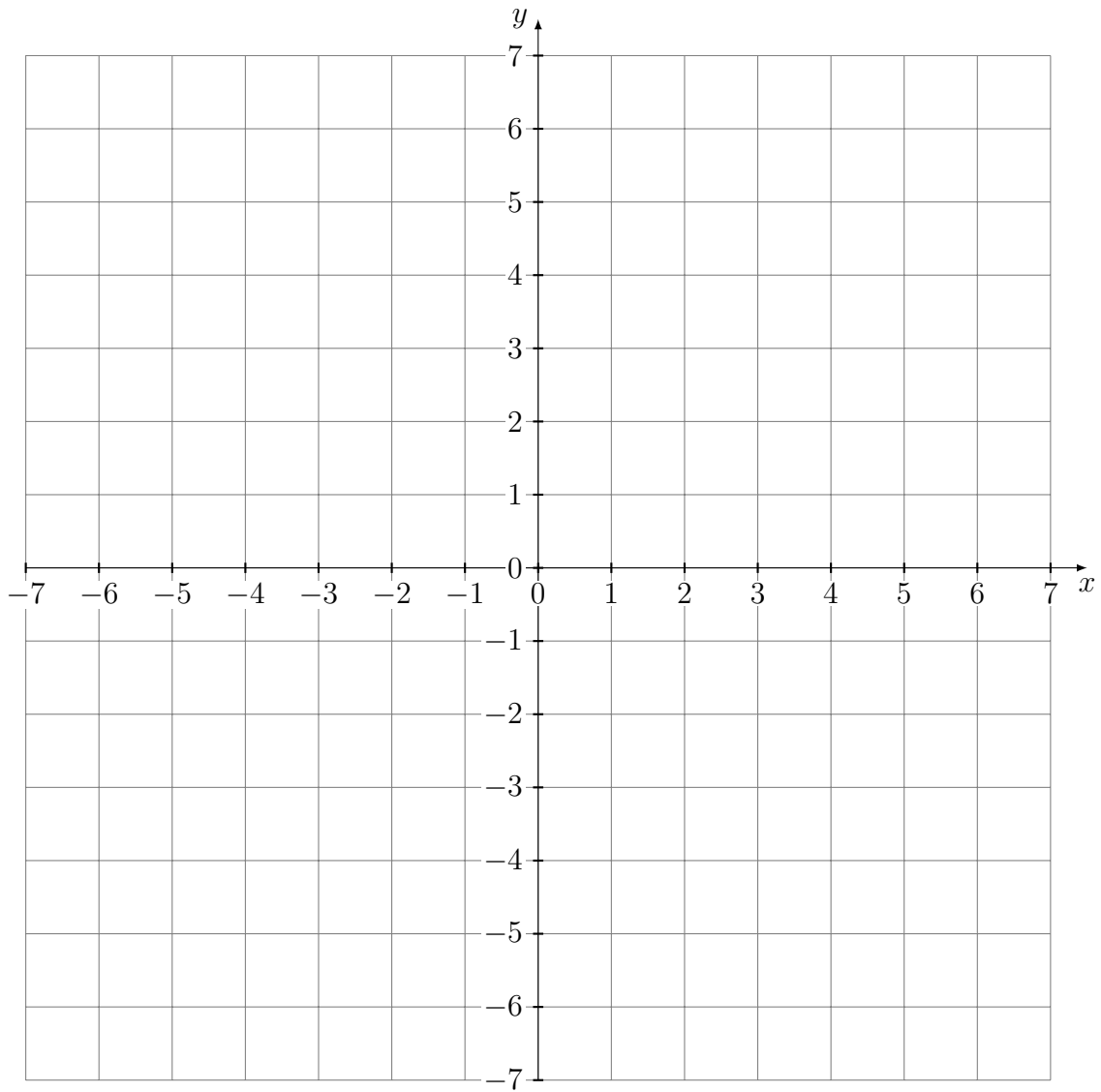
(e) -4

(f) Cannot be determined.

(g) None of the above.

(h) All of the above.

Problem 10. Draw a graph below.



Problem 11. Draw a graph below.

