

Functions 11 Unit 1 Diagnostic

Due: Monday, November 28

Not being Graded

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1 Preamble

This is a a diagnostic assignment for our first unit in the course. It will test you on material that you should know prior to Unit 1. Show all of your work when presenting their final solutions.

Note: Some problems will refer you to the textbook.

2 Name and Date:

Print your name and todays date below;

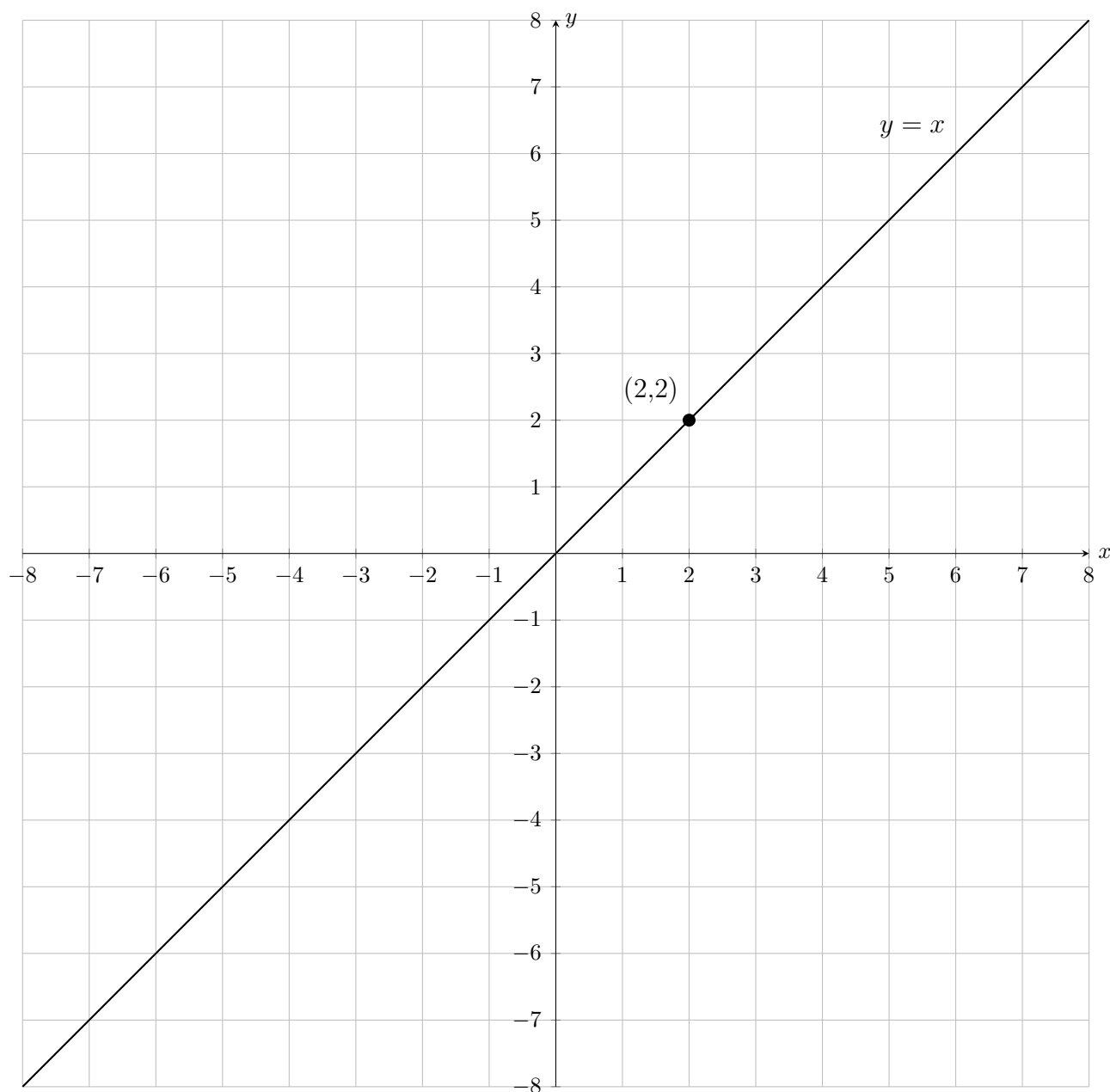
Name

Date

Question 1:

Sketch each linear relation on the plot below, make sure to label each graph, as well as at least one point . The graph does not have to be to scale. I have provided an example as reference.

- (a) $y = 3x - 1$
- (b) $y = \frac{-1}{4}x + 5$
- (c) $y = 6$
- (d) $2x - 3y + 12 = 0$



Problem 2: Textbook, Pg 2: Question 2.

Problem 3: Textbook, Pg 2: Question 3.

Problem 4: Textbook, Pg 2: Question 5.

Problem 5: Textbook, Pg 2: Question 6 a), c), e).

Problem 6: Textbook, Pg 2: Question 7.

Problem 7: Textbook, Pg 2: Question 8 b), d), f).

Problem 8: Textbook, Pg 2: Question 9 b), d), f), h).

Problem 9 Textbook, Pg 2: Question 10.

Problem 10 Textbook, Pg 3: Question 12.

Problem 11 Textbook, Pg 3: Question 13.