### Assignment 0

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

1. State whether the following statement is True or False. Every rational number is a real number.
   - True
   - False
   *No, the answer is incorrect.*
   *Score: 0*
   *Accepted Answers: True*

2. State whether the following statement is True or False. The number of composite numbers is finite.
   - True
   - False
   *No, the answer is incorrect.*
   *Score: 0*
   *Accepted Answers: False*

3. What is the probability of getting a 4 when a fair die is rolled?
   - 1/6
   - 1/2
   - 1/4
   - 2/3
   *No, the answer is incorrect.*
   *Score: 0*
   *Accepted Answers: 1/6*

4. Which of the following pairs do not lie on the line $x - y = 0$?
   - $(2, 2)$
   - $(0, 0)$
   - $(3, 3)$
   - $(4, 4)$
   *No, the answer is incorrect.*
   *Score: 0*
   *Accepted Answers: $(2, 2)$*

5. Which of the following are prime numbers?
   - 2
   - 3
   - 5
   - 7
   - 9
   - 11
   - 13
   *No, the answer is incorrect.*
   *Score: 0*
   *Accepted Answers: 2, 3, 5, 7, 11, 13*

6. Which of the following pairs lie on the line $x + 2y = 31$?
   - $(5, 10)$
   - $(7, 14)$
   - $(9, 16)$
   - $(11, 18)$
   *No, the answer is incorrect.*
   *Score: 0*
   *Accepted Answers: $(5, 10), (7, 14), (9, 16), (11, 18)$*

7. The largest prime number less than 100 is
   - 97
   - 99
   - 93
   *No, the answer is incorrect.*
   *Score: 0*
   *Accepted Answers: 97*

8. How many real roots does the equation $x^2 + 3x^2 + 2x = 0$ have?
   - 2
   - 3
   - 0
   *No, the answer is incorrect.*
   *Score: 0*
   *Accepted Answers: 2, 3, 0*