MATH 102, Spring 2023
In class work 7

Name: _____
Row and Seat: _____

In class work 7 has questions 1 through 1 with a total of 10 points. This assignment is due at the end of the class period (9:55 AM). This assignment is printed on **both** sides of the paper.

1. Follow these steps to *solve* the inequality $x^2 - x \geq 12$

2   (a) Solve the equation $x^2 - x = 12$.

2   (b) Check that *both of your solutions are correct* by pasting them into the equation $x^2 - x = 12$.

2   (c) Put both of your solutions on a number line, correctly ordered from least to greatest.

2   (d) Make a table of the intervals determined by the number line from the previous part, the test points, and the value of $x^2 - x \geq 12$ at each test point.

2   (e) Finish the sentence: The solution set is