

**QUIZ#04 MATH 022 SECTION 12**

Name:

1. If  $f(x) = 2x^2 - 3x + 1$  identify the following

1). vertex

2). axis of symmetry

3). y-intercept

4). x-intercept(s)

5). domain

6). range

7). Does the graph have a maximum or minimum? If it has, what's it?

8). On what interval is the function increasing?

9). What's the solution for the inequality  $2x^2 - 3x + 1 \geq 0$ .

10). Sketch the graph of this function.