**EOC Review – Day 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Topic 1: Solving Systems of Equations by Substitution***

Worked Out Problem: Your Turn: y = 5x – 1

 -3x + 2y = 12



***Topic 2: Finding the Vertex***

Worked Out Problem Your Turn: Find the vertex of y = 2x2 + 8x + 2.



 Your Turn Again: The height in feet of a rocket after x second is given by y = –16x2 + 128x. What is the maximum height reached by the rocket and how long does it take to reach that height?