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| 1. Identify the axis of symmetry and vertex:   AOS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Vertex: \_\_\_\_\_\_\_\_\_\_\_\_\_  Is the vertex a minimum or maximum? \_\_\_\_\_\_\_\_  What is the value of the discriminant? \_\_\_\_\_\_\_\_\_  How many roots does it have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  What are the roots? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Graph the following function: |
| 1. A model rocket is launched with a velocity of 64 feet per second. The equation gives the height of the rocket t seconds after it is launched.   Graph the equation:  What is the highest the rocket will reach? | |