

Math Methods Assignment #4

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1. It would depend on whether the rocket rotated. Assuming that it's acceleration was constant in both the horizontal and vertical directions it would move in a parabola, unless v_0 is 0 in which case it would move in a straight line. If the rocket were allowed to rotate it would move in a parabolic path, as it would start asymptotically in horizontal direction, and then as it tilted down it would move asymptotically close to the vertical axis.

- 2.