

Example 7: $h = 16t^2 + 72t + 520$

Suppose a particular “star” is projected from a firework at a starting height of 520 feet with an initial upward velocity of 72 ft/sec.

The equation:

$$h = 16t^2 + 72t + 520$$

gives the star’s height h in feet at time t in seconds.

a) How long will it take for the star to reach its maximum height?

b) What is the maximum height?

Revision #3

Created 3 May 2023 17:25:23 by naruzkurai

Updated 3 May 2023 17:28:02 by naruzkurai