# QUADRATIC WORD PROBLEMS

Solving Quadratic Equations

Example 1.

A water balloon is catapulted into the air so that its height h, in metres, after t seconds is  $h = -4.9t^2 + 27t + 2.4$ 

a) How high is the balloon after I second?



b) For how long is the balloon more than 30 m high?

c) What is the maximum height of the balloon?

d) When will the balloon burst as it hits the ground?

# **Water Balloon Quadratic Word Problem**

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#### **Water Balloon Quadratic Word Problem:**

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