

## Graphing Motion Assessment for AP- B

Use the graph of position versus time for a projectile (found on the next page) to complete the following:

- From the position vs. time graph on the next page:
  - Find the time at which the speed is a minimum
  - Find the minimum speed of the projectile.
  - Find any two times where the speeds of the projectiles are the same.
- From the information on the position vs. time graph, sketch the following graphs.

Horizontal Motion  
 $x$  vs  $t$



Vertical Motion  
 $y$  vs  $t$



$v_x$  vs  $t$



$v_y$  vs  $t$

