

Full Name: _____

1. The following picture gives the graph of the position, $f(t)$, of a particle at time t . Some values of t are marked and some tangents to the curve are given. At which of the marked values of t
- (a) position is greatest? **Ans:** VI
 - (b) position is decreasing? **Ans:** II, V
 - (c) position is positive? **Ans:** I, IV, VI
 - (d) velocity is increasing? **Ans:** II, III, V, VI
 - (e) velocity is negative? **Ans:** II, V
 - (f) velocity is least? **Ans:** II
 - (g) acceleration is positive? **Ans:** II, III, V, VI
 - (h) acceleration is negative? **Ans:** I, IV

