

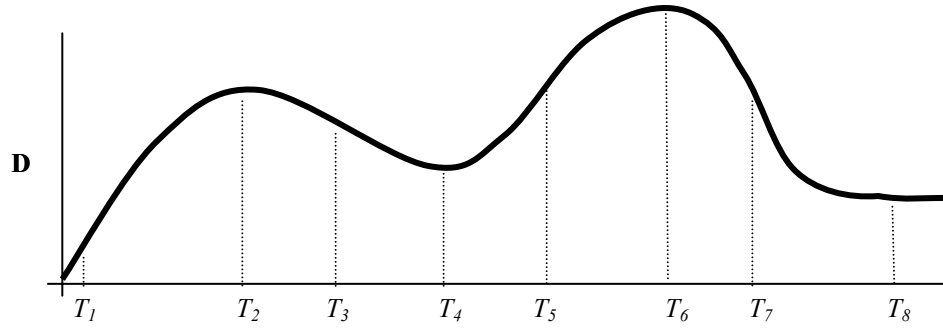
## Curvy Stuff Practice Problems

The curves provided on the following pages represent instantaneous profiles of displacement (**D**), velocity (**V**), or acceleration (**A**) with respect to time (**T**). For each curve, enter the most appropriate time ( $T_i$ ) that represents the following:

1. Peak positive displacement
2. Peak negative displacement
3. Instants of zero velocity
4. Instants of positive velocity
5. Instants of negative velocity
6. Peak positive velocity
7. Peak negative velocity
8. Instants of zero acceleration
9. Instants of positive acceleration
10. Instants of negative acceleration
11. Peak positive acceleration
12. Peak negative acceleration

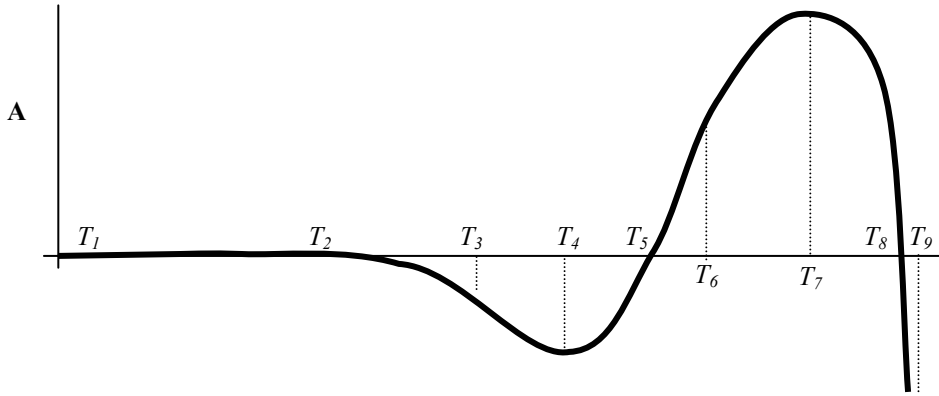
It is important to note that more than one time may be appropriate for any of the aforementioned parameters. It is also important to note that no time may be appropriate.

1. T6
2. NA
3. T2, T4, T6, T8
4. T1, T5
5. T3, T7
6. T1 OR T5
7. T7
8. T1, T5 T7
9. T4, T8
10. T1, T2, T6
11. T8
12. T6



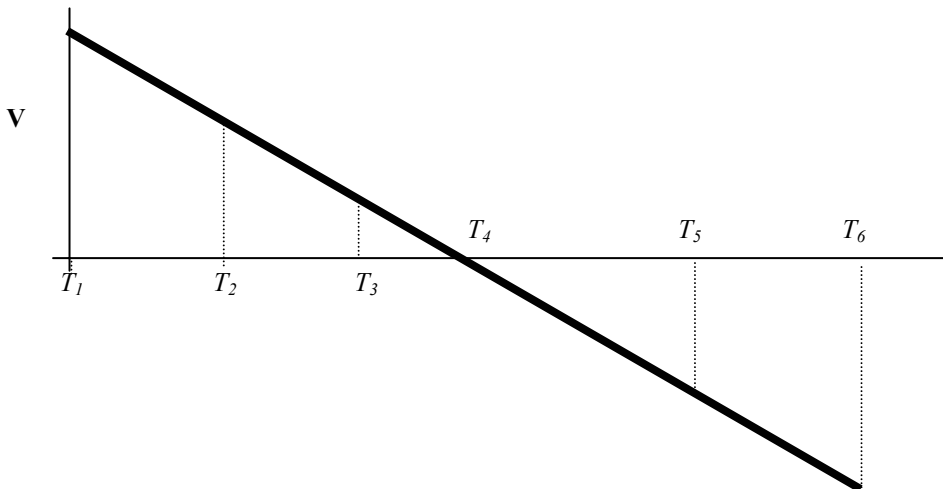
ASSUME  $D_i = 0$   
 ASSUME  $V_i = 0$

1. T9
2. T6
3. T1, T2, T6
4. T7, T8, T9
5. T4, T5
6. T8
7. T5
8. T1, T2, T5, T8
9. T6, T7
10. T3, T4, T9
11. T7
12. T9

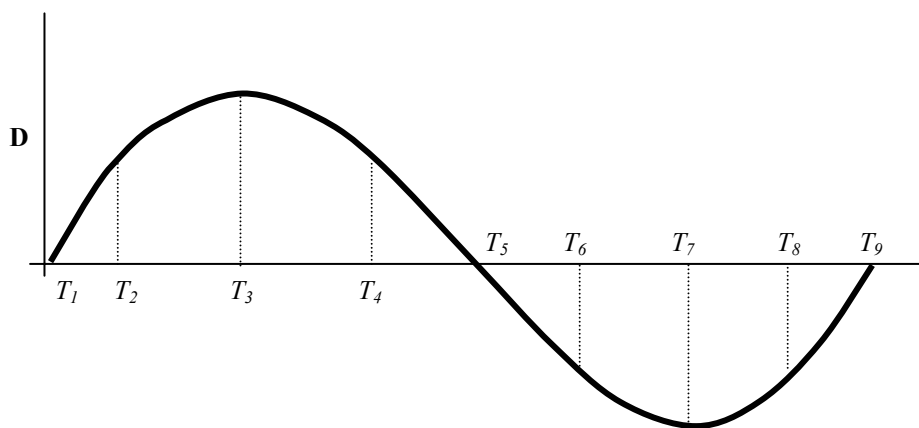


ASSUME  $D_i = 0$

1. T4
2. NA
3. T4
4. T1, T2, T3
5. T5, T6
6. T1
7. T6
8. NA
9. NA
10. T1-T6
11. NA
12. ALL = -9.8

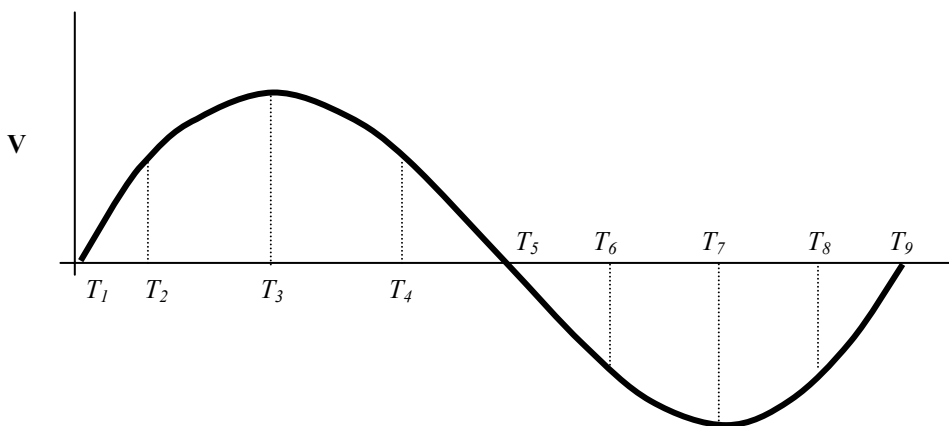


1. T3
2. T7
3. T3, T7
4. T1, T2, T8, T9
5. T4, T5, T6
6. T1, T9
7. T5
8. T1, T5, T9
9. T6, T7, T8
10. T2, T3, T4
11. T7
12. T3



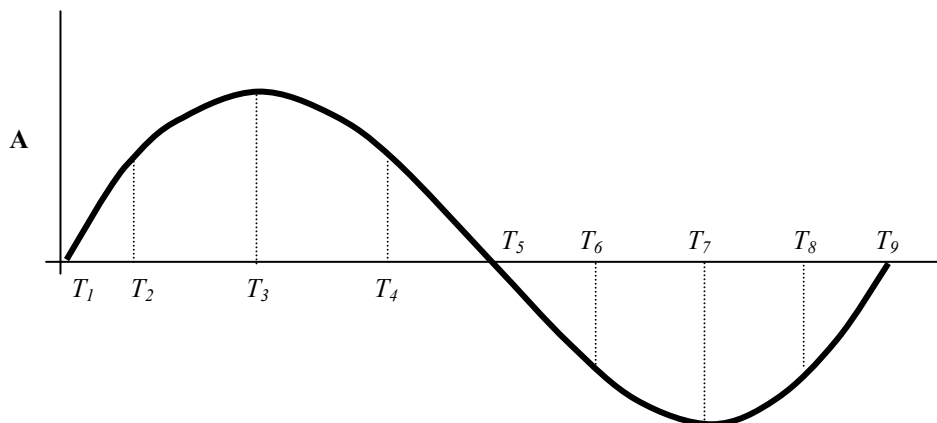
ASSUME  $D_i = 0$

1. T5
2. NA
3. T1, T5, T9
4. T2, T3, T4
5. T6, T7, T8
6. T3
7. T7
8. T3, T7
9. T1, T2, T8
10. T4, T5, T6
11. T1, T9
12. T5

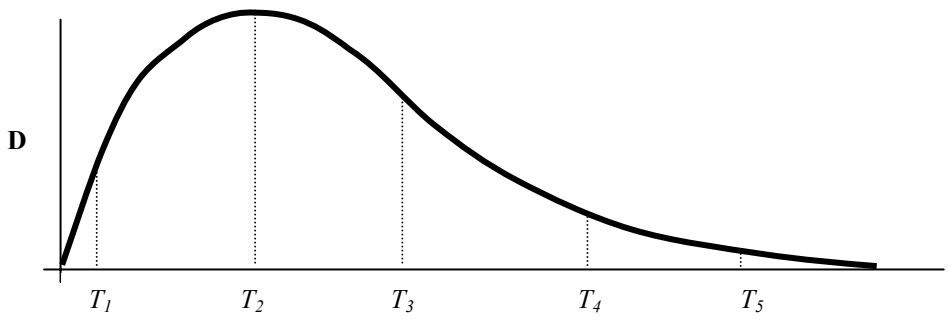


ASSUME  $D_i = 0$   
ASSUME  $V_i = 0$

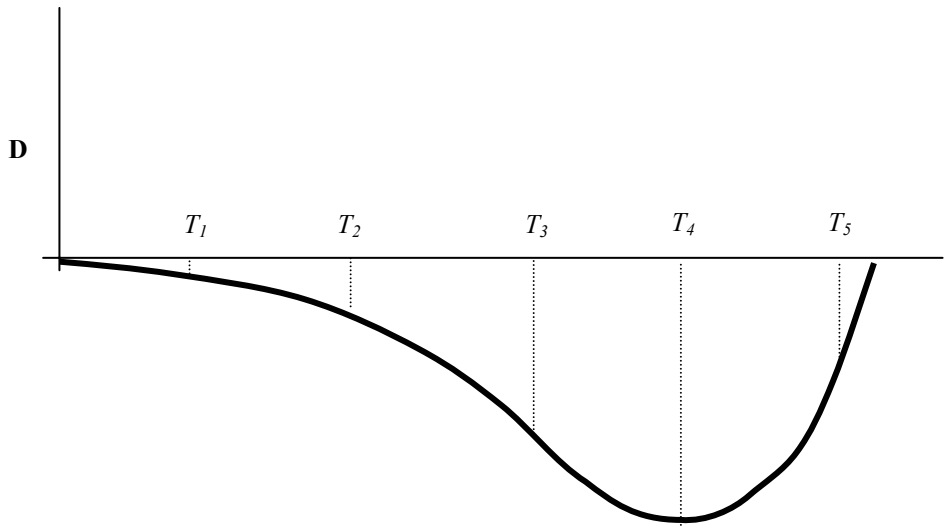
1. T9
2. NA
3. T1, T9
4. T2-T8
5. NA
6. T5
7. NA
8. T1, T5, T9
9. T2, T3, T4
10. T6, T7, T8
11. T3
12. T7



1. T2
2. NA
3. T2
4. T1
5. T3, T4, T5
6. T1
7. T3
8. T3
9. T4, T5
10. T1, T2
11. T4
12. T2



1. NA
2. T4
3. T4
4. T5
5. T1, T2, T3
6. T5
7. T3
8. T3
9. T4, T5
10. T1, T2
11. T5
12. T2



- ASSUME  $D_1 = 0$
1. NA
  2. T5
  3. NA
  4. NA
  5. T1-T5
  6. NA
  7. T2
  8. T2
  9. T3, T4, T5
  10. T1
  11. T3
  12. T1

