

EXCERSICE

Practice. Perform. Succeed

Sub : Science

Grade: IX

Date:

Name:

ID No.....

State whether the following statements are True or False:

1. When a particle is in motion, its velocity is always in the direction of motion. _____

2. When a particle moves with uniform velocity, its displacement always increases with time. _____

3. A body can have zero velocity with non-zero acceleration. _____

4. A ball thrown vertically up takes the same time to go up and come down. _____

5. The slope of v-t graph gives displacement. _____

6. The x-t graph can take sharp turn. _____

7. The displacement-time graph always shows the true path of the moving particle. _____

8. In a free fall, the initial velocity of a body is always zero. _____

9. A heavy body falls at a faster rate as compared to a lighter body. _____

10. The area under the velocity-time graph between t_1 and t_2 gives the displacement
between the two instants. _____