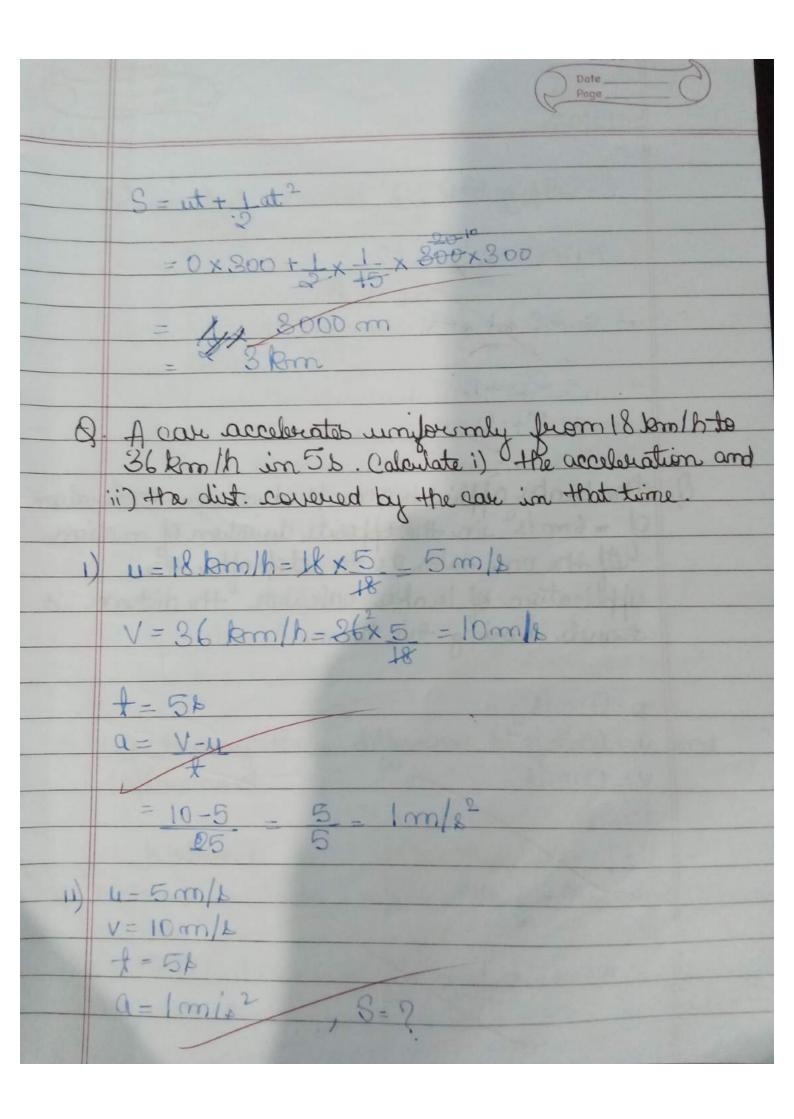
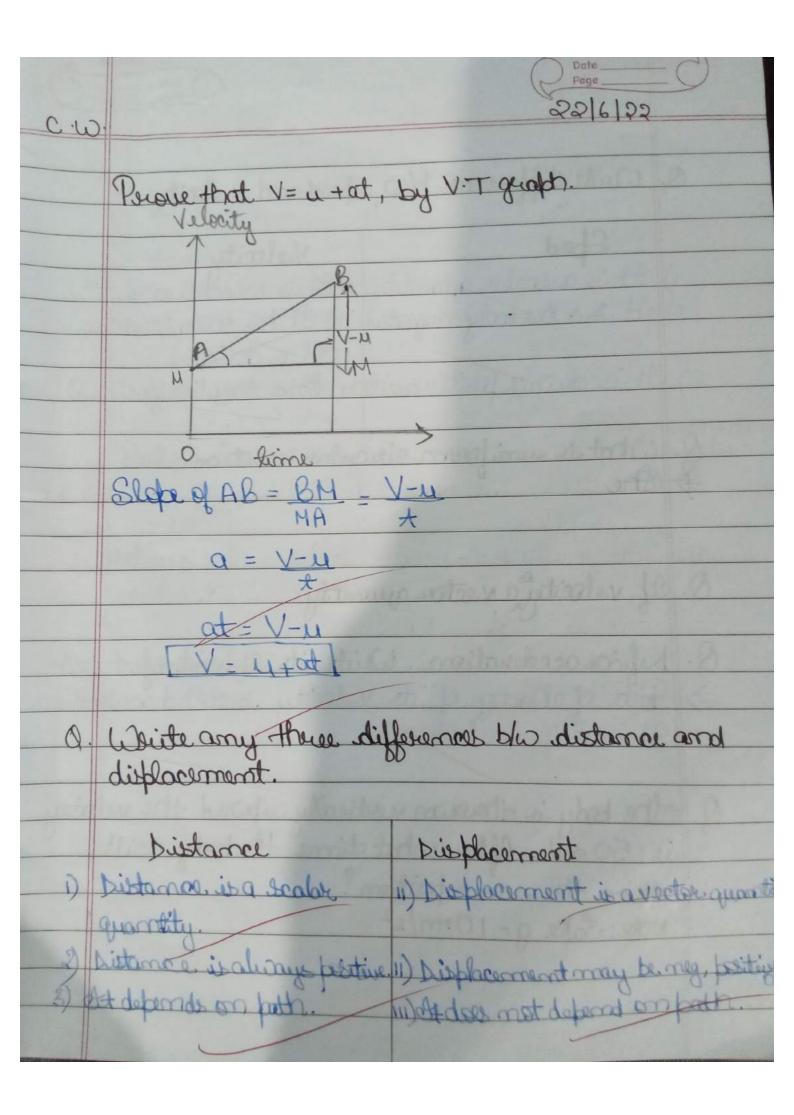
11/5/22 C.W. Ch-8 Solved examples Q. A brain starting from rest attains a relating 72 born Ih in 5 minutes Assuming that the acceleration is uniform, find i) the acoleration and ii) the distance travelled by the train for attaining the velicity V= 72km/h= 72 = 20 m/s t = 5 min = 5 x 60 = 300 sec $=\frac{20-0}{300} = \frac{20}{300} = \frac{1}{15} \text{ m/s}^2$ V= 20 m/b t= 300 k a=1 m/82

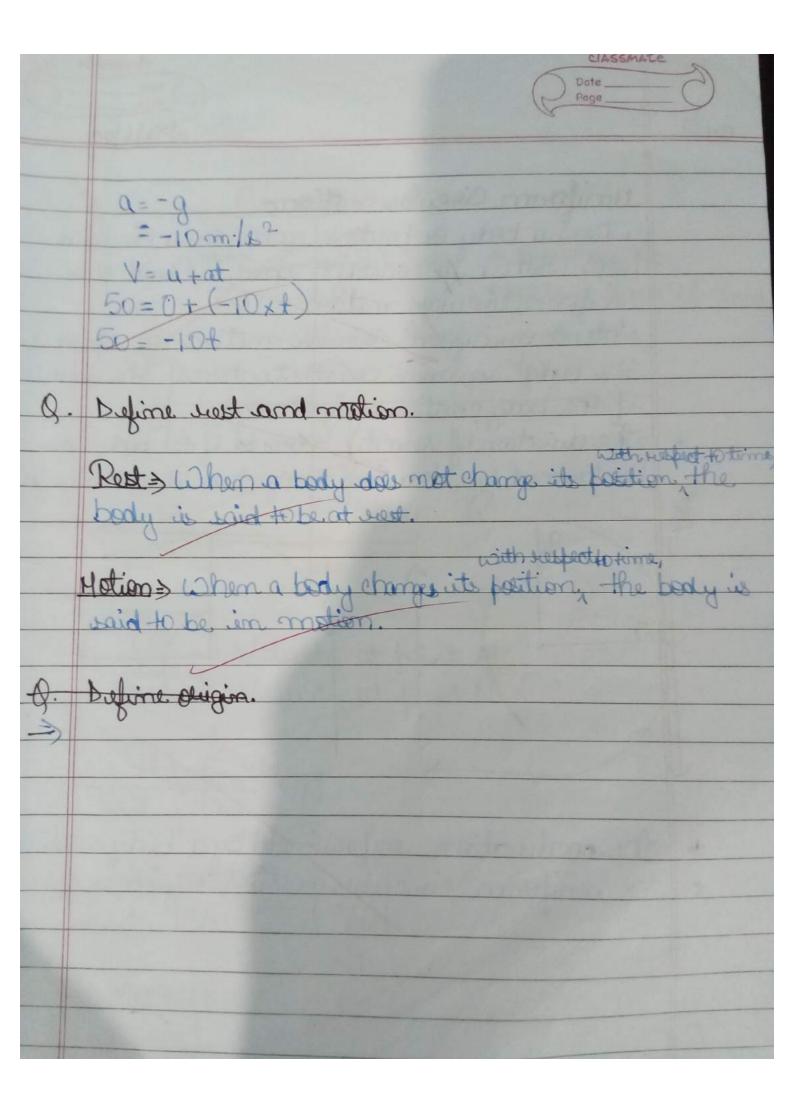


= 25+1 x25 = 25 + 12.5 = 37.5 pm of the brokes applied to a care produce am acceleration of both with the experite direction of motion.

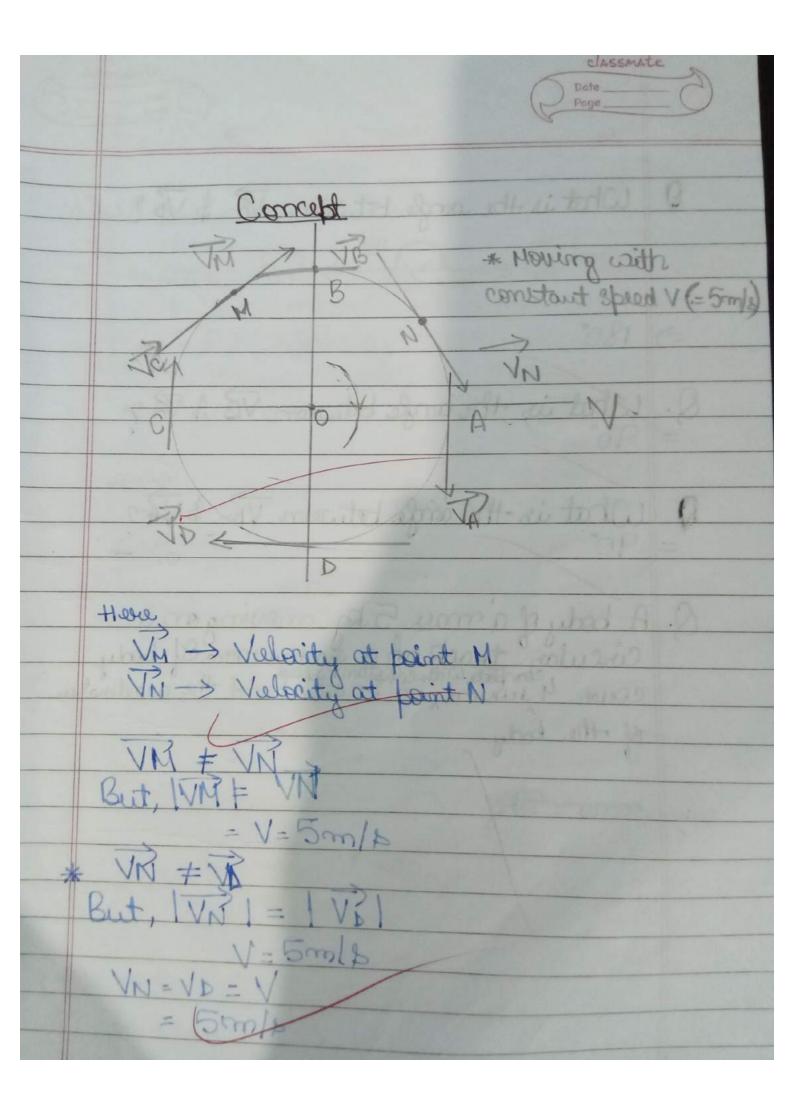
If the care takes & s to stop after the application of brokes, calculate the distance it travels during this time. 4=0m/s



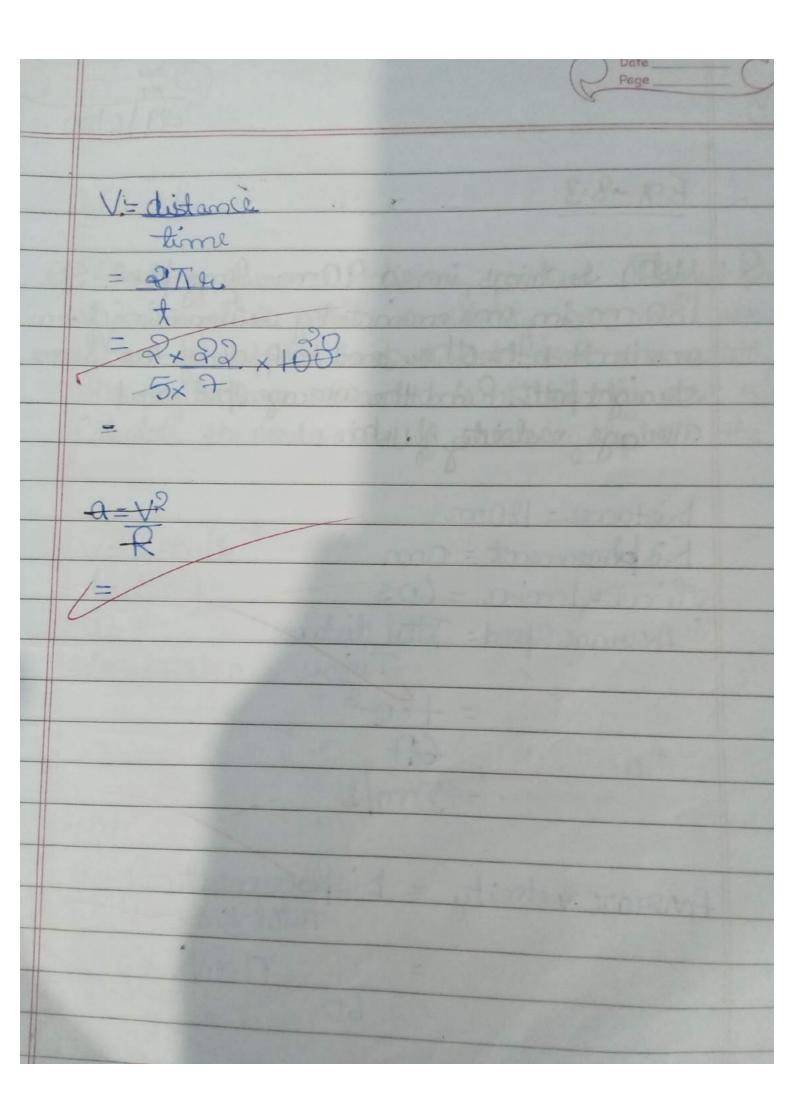
Q. Write differences blw speed and velocity. Velocity Shed) At is a Scalar grantity white by marritude a Il is a hos only magnitude ii) It has magnitude or contract disaction met is regative and 11) It is during positive. J. What is uniform circular motion Q. Of velocity a vector quantity Q. Define acceleration. White its Shunit > Rate of change of its velocity is called acceleration of the body is thereon vertically upward the velocity is 50 m/s. After what time the body will Note: Sake g=10m/22



27/6/p2 C.W Uniform Circular motionrema body or particle moves on a circular south a for constant speed, is said tot nform eixendar motion Note: of uniform sincular motion the steeds the body continuously changes. re direction of velocity the to of the tody can be formed by drawing targent as shown in * othe societation expensioned by a body or



What is the angle between VB \$ VB 9 180 What is the angle between VB & VA? What is the angle between VB & VA? 100m



29/6/20 C.W. Ex-8.3 Q. Who Lusins in a 90m long book the cours 180 m in one minute by suimming from one end to the other and back along the same straight both. Find the average speed and average velocity of who. Distance = 180m Discherment = 0m · Avenage Speed = Total distance Average velocity = Displacement Total-time

Ex-8.4 Q. Starting from a stationary position, Rahul paddles this bicycle to attain a velocity of 6 ms in 30s. Then he applies brakes such that the velocity of the bicycle comes down to 4ms in the next 5is. Calculate the acceleration of the bicy cle both the cases. V= 6m/s t= 30.6 X=Urata=V-U 0.2m/22

Q. Priore that: S= ut + fat? Maity Times

