Usage of Equations of uniform acceleration Word Problems Puton A(2.13) ve=vi+at Ex1) A car passes x=10m at to poard B (2,14) Varq = 17 + VF going 10 % but accelerating at 4 m/27 Where will it be (2.15) X=Xi+2(v;+v)t > (2.16) x(t)=x0+20t + 20t2 in 5 seconds. E (217) 25= 2;2+ 2a(xx-Xi) Which egn. 2.16 EXZ) A car accelerates uniformly, starting at v=5 % at x=20m. Vi or Vo X; or Xo and reaching x= 100 only 5 seconds later. How fast Xf, torts did it cross the x=160 mark? Find uf or use vay at & (2.14) Which egn? 2.15 Ex3) A rock thrown down a well @ 10 m/s reaches the bottom at 40 m/s. What was its average velocity? Egn? 2.14