Let another on. V. De a discrete mondon vor. 1/10 4=-20 240 y = 4 3/10 y=5 othenusse Note that $\operatorname{mgf}_{Y}(t) = \frac{1}{10} \exp(-20t) + \frac{1}{5} \exp(-3t) + \frac{3}{10} \exp(4t) + \frac{2}{5} \exp(5t)$ By uniqueness the for MGFs, we conclude determ of n.v. X
is the same as that of 10 X = -20) PMF(X) = 2/10 X = -3 This holds because. 3/10 X = 4 MGF(+) = MGFy(+) 4/10 X=5 for all values of t. otherwise $P(|X| \leq 2) = 0$