HW 9-7 Soln)

Find $\tau = I\alpha$ when $\alpha = 3.5$ rad/s^2

a)
From previous problem, I = 148 kg m^2
$\tau = 148*1.5 =$ 518 Nm
b)
From previous problem, I = 52 kg m^2
$\tau = 52*1.5 =$ 182 Nm
c)
From previous problem, I = 200 kg m^2
$\tau = 200*3.5 =$ 700 Nm