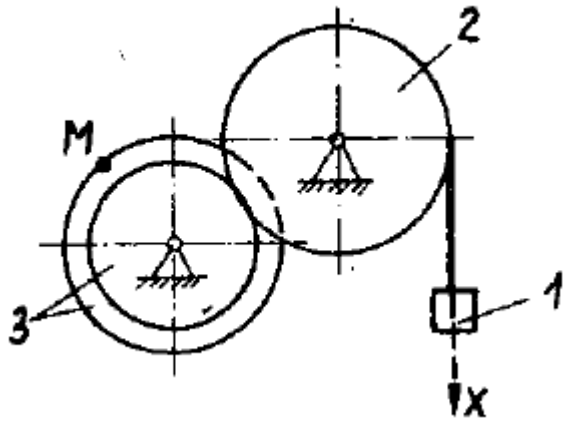
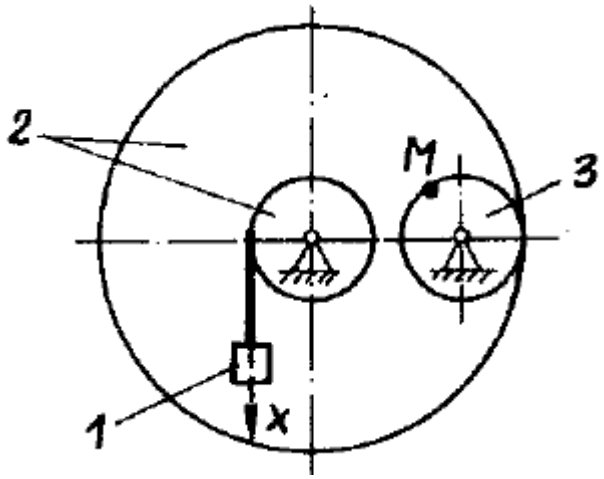
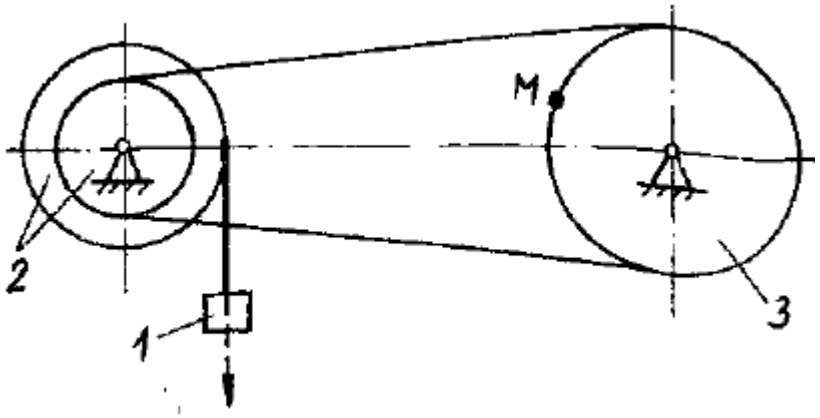
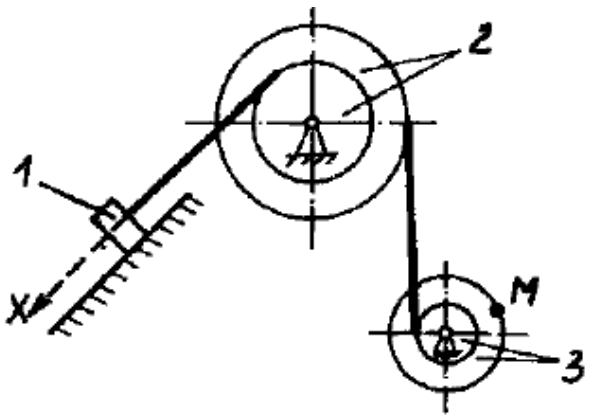
For the given equation of the linear motion of the weight 1, determine the velocity and tangential, normal and total acceleration of the point M, at the moment when the path traveled by this weight is equal to s.

	$R_2 = 80cm$ $R_3 = 60cm$ $r_3 = 45cm$ $equation\ of\ motion\ of\ weigh$ $x(t) = 80t^2$ $s = 0{,}1m$
	$R_2 = 35cm$ $r_2 = 10cm$ $R_3 = 15cm$ $equation\ of\ motion\ of\ weigh$ $x(t) = 4 + 30t^2$ $s = 0{,}5m$
	$R_2 = 30cm$ $r_2 = 20cm$ $R_3 = 40cm$ $equation\ of\ motion\ of\ weigh$ $x(t) = 60t^2$ $s = 0{,}4m$

	$R_2 = 40cm$ $r_2 = 30cm$ $R_3 = 30cm$ $r_3 = 15cm$ $equation\ of\ motion\ of\ weigh$ $x(t) = 7 + 40t^2$ $s = 0{,}6m$