3-7. Bar AB rotates with a normally distributed angular velocity $\omega_{AB} \sim N(5, 0.5^2)$ rad/s .If $\theta_1 = 30°$ and $\theta_2 = 45°$, determine the velocity of the slider block C. Assume $L_{AB} = 0.5$ m and $L_{BC} = 0.8$ m.

Solution: $v_C \sim N(3.42, 0.34^2)$ m/s .