Homework H.2.B
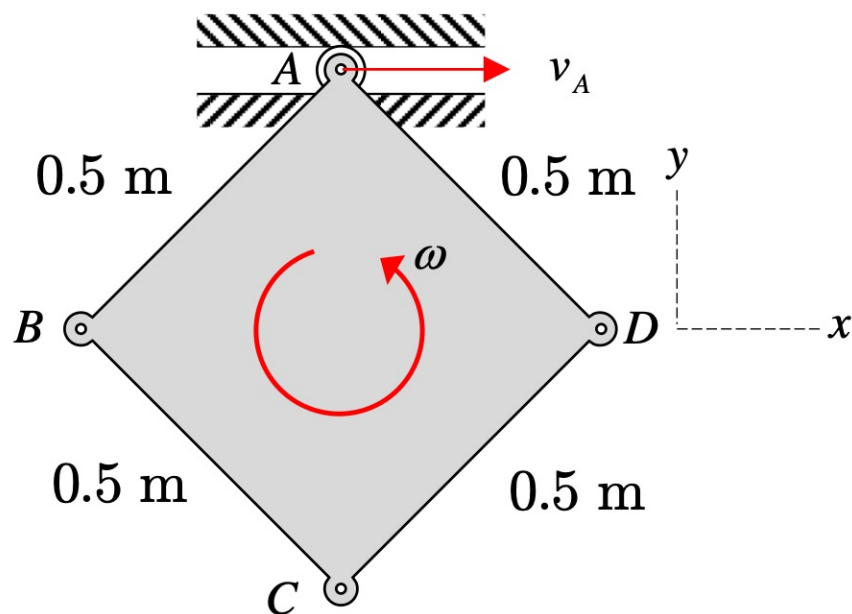
Given: Point A of plate ABCD moves to the right with a speed of v_A as the plate rotates with an angular speed of ω.

Find: For the instant shown, determine the velocity of point C on the plate. Write your answer as a vector.

Use the following parameters in your analysis: $v_A = 6$ m/s and $\omega = 5$ rad/s (CCW).