P4.4-3) The bar linkage shown is set in to mot counter clockwise angular velocity of 10 rad/s to have the same length. It is additionally known to clockwise angular acceleration of 2 rad/s ² . Determine the property of AB .	bar <i>CD</i> . All links hat bar <i>CD</i> has a	$\begin{array}{c c} \omega_{CD} & C \\ \hline D & \alpha_{CD} & 3 \\ \hline 4 & 4 \end{array}$
Given:		
-ind:		
		P4.4-3
Solution:		
Angular velocity	<u>Link CD</u>	
Write down the angular velocities that you solved for in P4.3-2.		
$\mathfrak{v}_{AB} = \underline{\hspace{1cm}}$		
$\mathfrak{d}_{CB} = \underline{\hspace{1cm}}$		
Oraw, on the figure, the directions of the angular velocities and angular accelerations. Include a coordinate system.		
Acceleration	9	
Use the relative acceleration equation to determine the acceleration of the following points. Note: Some accelerations will be a function of the angular acceleration.	a _C = <u>Link BC</u>	
Link AB		
	$a_C = $	

Angular	acceleration
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Solve for the unknown angular accelerations.

 $\alpha_{AB} =$

 $\alpha_{BC} =$