

NAME DATE

WEEK:					PRI	DВ	LE	м:		•								
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onstant angula onent of acce s a function of $-8r$. When r f C is $v_r = 2$ f polar coordi	The relocation of the m/s. D	city ω n of the radial, the	he cold he cold l position radial nine the	lar C tion in comp e velo	s. The (in man) in metoonent	radi /s²) i ers b of v	al co is giv by <i>a</i> , veloc	om- ven =			y	,			ω_0	?		
trategy: Us	se the o	hain of th	rule to	o write eleratio	e the	first	term	in						c/	4			
$\frac{d^2}{dt}$	$\frac{dr}{dr} = \frac{d}{dr}$	$\frac{v_r}{lt} =$	$\frac{dv_r}{dr}\frac{d}{dt}$	$\frac{dr}{dt} = \frac{a}{a}$	$\frac{lv_r}{dr}v_r$		ı						A	7	<u></u>			
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