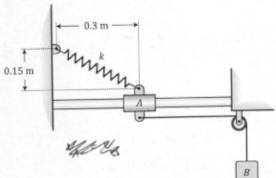
Ouestion 3:

(2 Marks)

At the instant shown, the spring of stiffness k = 700 N/m is unstretched and the mass B is moving downward at 1 m/s. Determine the velocity (v_B) of mass B when it has moved downward 0.2 m from its present position. Note that the mass of collar A is 14 kg and m_B 18 kg. The horizontal bar is smooth.







Continue your solution to Ques	10-1125 m	0-15 0-3	
statched light:	50.2725 M	0.5	725
1. Vin = DT	+ AV gars + AVec	(-2) nog(-0-2)+ 1/2 (15	
= = (14+18)	(us -1) + 18x981(-	-0.2) = = = > > > 00 (11	
	$16 - 35.316 + 3$ ms^{-1} t		
	V		

Answers:

vB = 1.26 mg-1



4SY7NINE 6

Index of comments

2.1 Great job!