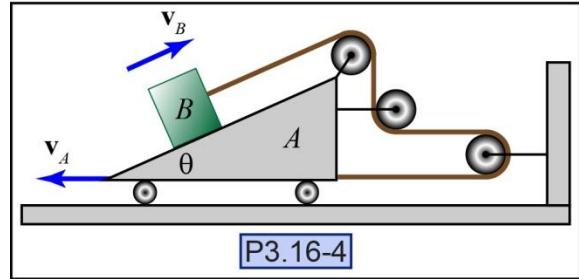


P3.16-4) Cart A moves to the left causing block B to slide up on the cart, as shown in the figure. Determine the velocity of B in terms of v_A and θ .

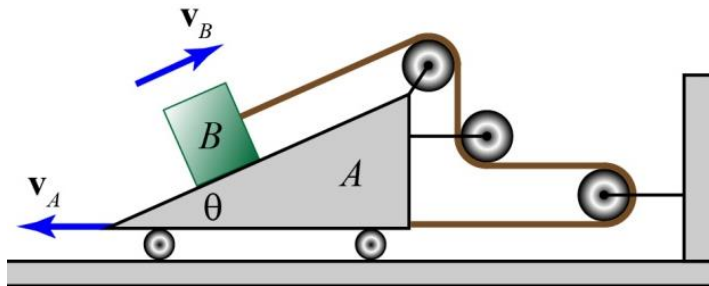
Given:

Find:



Solution:

On the figure, draw the datum(s) and the position coordinates.



Write down the position coordinate equation(s).

Determine the relationship between v_A and v_B .

$v_B =$ _____ v_A direction is \downarrow \uparrow