

M£ is less continued

$$\frac{\text{Ex:}}{m_1} = \frac{1}{3m_1}$$

$$\frac{\text{Final}}{\sqrt{x}}$$

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$$\frac{\sqrt{x}}{\sqrt{x}} = \frac{1}{2}$$

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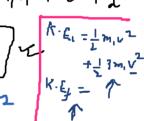
$$\frac{\sqrt{x}}{\sqrt{x}} = \frac{1}{2}$$

$$m_{1}V - 3m_{1}V = m_{1}V_{1} + 3m_{1}V_{2}$$

$$\Rightarrow V_{1} = -2V - 3V_{2}$$

$$K \cdot \xi_{1} = \frac{1}{L}m_{1}V^{2}$$

$$K \cdot \xi_{2} = 7$$



$$\frac{1}{2} = \frac{1}{2} \sqrt{\frac{1}{2}} + \frac{1}{2} \sqrt{\frac{1}{2}}$$

$$= (-2 \vee -3 \vee_2)^2 + 3 \vee_1^2$$

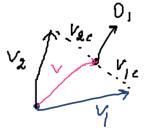
$$= (-2 \vee -3 \vee_2)^2 + 3 \vee_1^2$$

$$= (4 \vee^2 + 9 \vee_2^2 + 12 \vee_2 + 3 \vee_2^2)$$

$$= (3 \vee^2 + 9 \vee_2^2 + 12 \vee_2 + 3 \vee_2^2)$$

$$V_{2} = 0, -0$$

C.M frame of reference :> $\frac{m^1 + m^2}{\sum_i = m^1 N_i^1 + m^2 N_i^2}$



$$|V_{2}| = |V_{1}| = |V_{$$

<u>C</u>. h

$$C = P_{1c} + P_{2c} = O \Rightarrow P_{3} = P_{1c} + P_{2c} = 0$$

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$$P_{1c} = P_{$$

 $tan\theta = \frac{V_{1c} Sin\theta}{V + V_{1c} cos \theta} = \frac{V_{1c} Sin \theta}{V + V_{1c} cos \theta}$ tano = Single Vic + cond Vers ampre 11 jul atron: