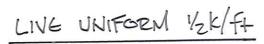
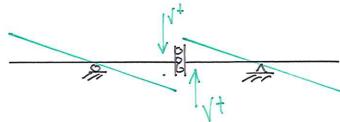
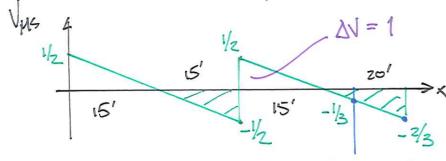
**Example 6c-5:** Determine the maximum shear created at mid-point *BC* span in the beam below due to the wheel loads of a moving truck.









SLORE 
$$\frac{2/3}{20} = \frac{2}{60} = \frac{1}{30}$$

$$\frac{1/2}{15} = \frac{?}{20}$$
 $? = \frac{10}{15} = \frac{3}{2}$ 

$$\sqrt{MS} = Zk(-\frac{2}{3}) + 3k(-\frac{1}{3}) = -2.33 L$$