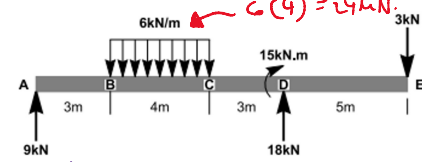


# Quiz 6

Thursday, November 12, 2020 4:59 PM

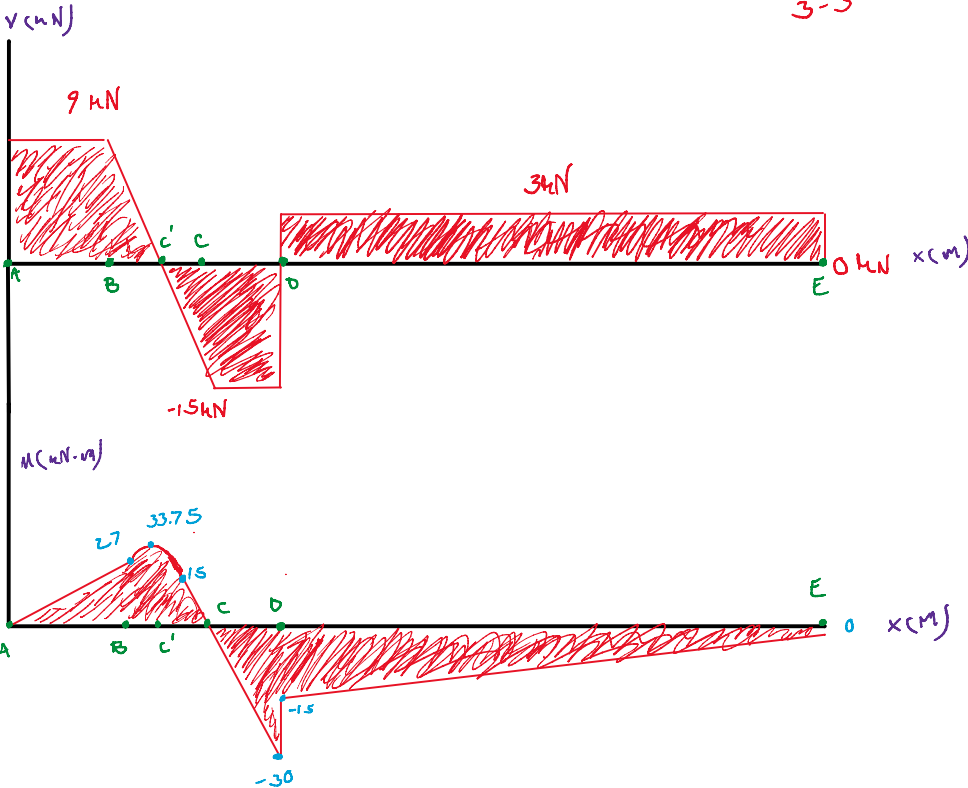
Draw the Shear Force and Bending Moment Diagrams for the following beam. To receive full credit, you must label all points on both diagrams and show work leading up to the diagrams.



$$9 - 24 = -15$$

$$-15 + 18 = 3$$

$$3 - 3 = 0$$



Section	Area
A - B	$9(3) = 27$
B - C	$1.5(4)(\frac{1}{2}) = 6.75$
C - D	$-15(2.5)(\frac{1}{2}) = -18.75$
D - E	$3(5) = 15$

←  
Moment uses area

$$27 + 6.75 = 33.75$$