Quiz 1- Fall 2015
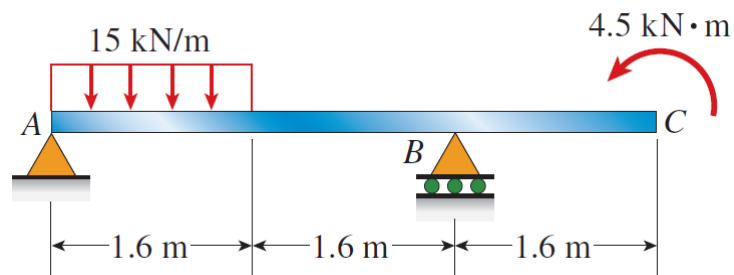
1) Calculate and draw the shear force V and bending momentum diagrams of the following beams under loadings using the integration method.

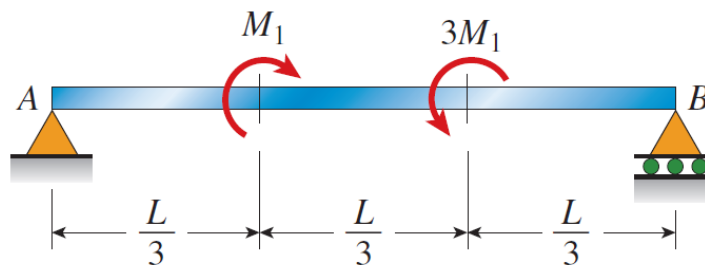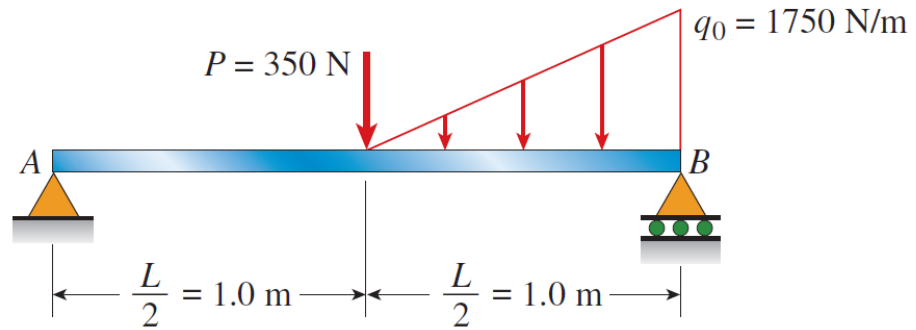**A)**
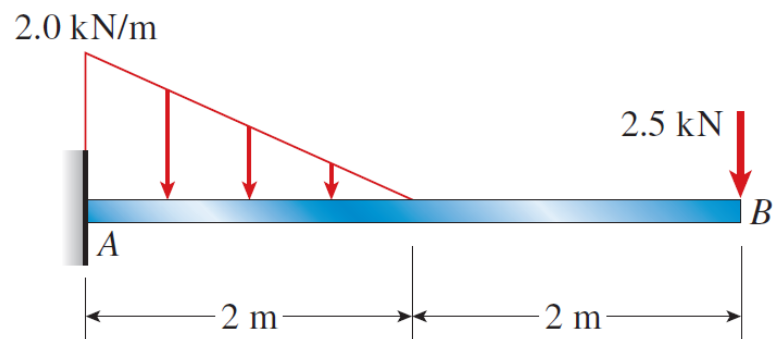

B)

C)

D)

$q_0 = 1750$ N/m

$P = 350$ N

A

B

$\dfrac{L}{2} = 1.0$ m $\dfrac{L}{2} = 1.0$ m

E)

2.0 kN/m

2.5 kN

A

B

2 m   2 m

F)

3.0 kN/m

1.0 kN/m

A B

2.4 m