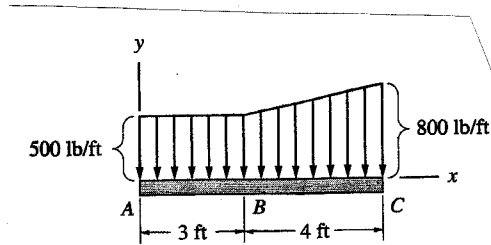
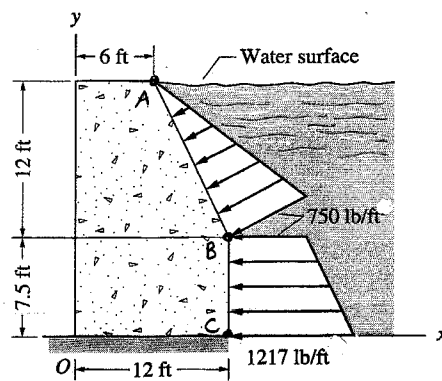


Final Version

- 6A. For the distributed load shown below
- Find the equivalent resultant force, F_R . Write the equivalent resultant force as a Cartesian vector.
 - Find the moment resultant created by this distributed load about point C. Write the moment resultant as a Cartesian vector.



- 6B. Water pressure on a masonry dam produces the line-load distribution shown below.
- Find the equivalent resultant force, F_R , due to the two load distributions. Write the equivalent resultant force as a Cartesian vector.



- 6C. For the distributed load shown below
- Determine the numerical values of w_0 and k in the equation for $w(x)$ by using the values of the line-load at points A and B.
 - Find the equivalent resultant force, F_R . Write the equivalent resultant force as a Cartesian vector.
 - Find the moment resultant created by this distributed load about point A. Write the moment resultant as a Cartesian vector.

