## Homework H12.B

Given: The beam is loaded as shown.

*Find*: For this problem:

- a) Calculate the magnitude and location of the single-force equivalent load for the distributed load between points C and D.
- b) Determine the reactions acting on the beam.

Use the following parameter values for your work: F = 4 kips, w = 5 kips/ft and d = 2 ft.

