## Homework Problem H24.B

**Given**: The frame shown is made up of the curved member AB and the L-shaped member BD, with the two members joined by a pin joint at B. A force F acts to the left at point D on the frame. Consider all surfaces to be smooth.

**Find**: Determine the reactions on the frame at support points A and C. Also, what is the contact force member AB on member BD?

For this problem, use the following parameters: R = 2 ft, b = 1 ft and F = 1000 lb.

