

Name:

Exam 3 - version A

1. (30 pts) Find the state of stress at A if the diameter is $d = 40$ mm.

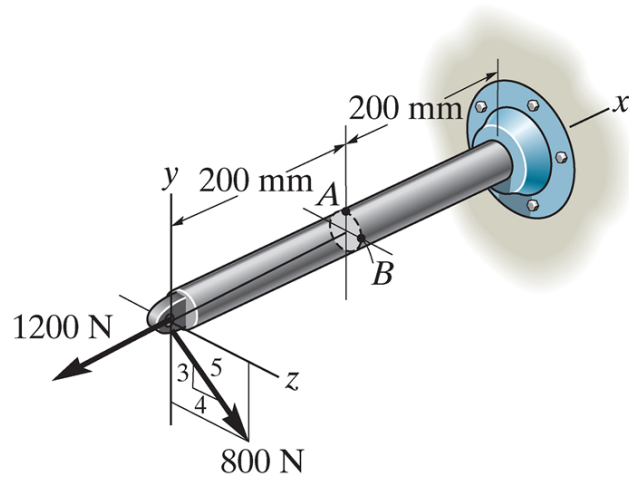


Figure 1: Problem 1

2. (30 pts) Find the principal stresses at C as indicated on the figure.

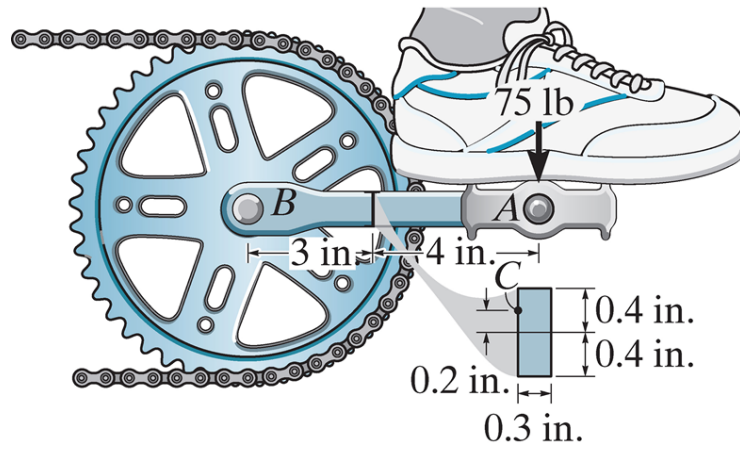


Figure 2: Problem 2

3. (40 pts)

- (a) Find the reaction force at B .
- (b) Describe how to find the point of maximum deflection.

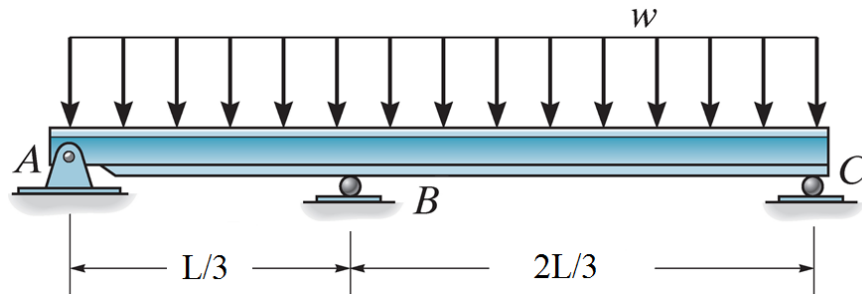


Figure 3: Problem 3

