Exam 1 problem 2

- 2. (30 pts) The bent bar ABC shown is loaded at point C with two 200-N forces. The diameter of the cross-section of the bar is 10 mm.
 - (a) Compute the stress components (all six components) for the element shown on the top of the cross-section at A and show them on the element shown to the right of the figure.
 - (b) Compute the stress components (all six components) for the *critical element* at the cross-section at A, i.e., sketch the critical stress element and show the stress components.

