## MODULE 3C7 (Mechanics of Solids): Numerical answers to Tripos examination 2014

- Yielding occurs first 1. (b)
- for yield to occur simultaneously l = d/2. 2. (c)
- (b) (c) 3.
- $\tau_{max} = (2T)/(\pi a b^2)$  rectangle is 1.7 times stiffer
- (b)  $\frac{c}{a} = Y/[2(Y-T)]$ 4.