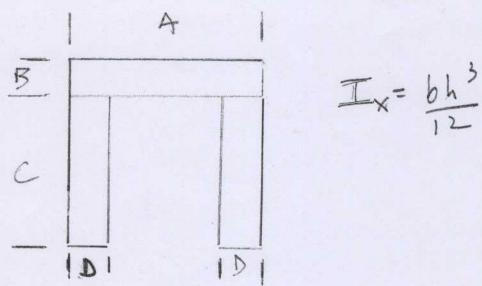
Y A

CHADUEL 610×20

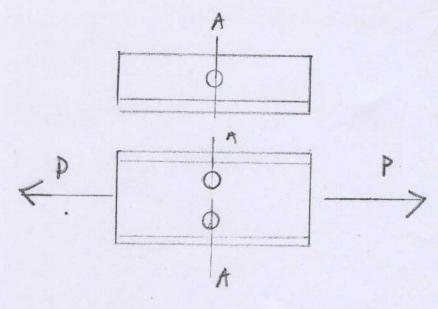
ANGLE L 6 X 6X 1

DETERMINE CENTROID FOR COMPOSITE
AREA 9



DETERMINE MOMENT OF INERTIA

$$b = 2$$



- DETERMINE STRESS @ SECTION ANOTES: P =
HOLE Ø = (TYP)

4 HOLES TOTAL

1 IN EACH FUNGE

2 IN WEB

	5= P
Ø = P =	$A = \frac{\pi d^2}{4}$
PROPORTIONAL CIMIT	E= 5
Stress 5	6= 8
Strain E	
total elongation &	

EGR 194

7.16.2008

C10 quiz (in-class)

- 1. True or False: the modulus of elasticity is also known as the "elastic limit".
- 2. Would you associate the term yield point with "elasticity" or "plastic range". Circle your answer.
- 3. Give a synonym for "factor of safety".
- 4. If I am designing a structural member with an ultimate stress of 55 ksi, using a factor of safety will mean that the stress I design for will be: a) greater than 55 ksi or b) less than 55 ksi. Circle your answer.
- 5. What does necking mean?
- 6. What does the term "true stress" mean?
- Kevlar is a material utilized in bullet-proof vests. It has been said that 9 plies will stop a bullet.
   Which of the following is kevlar's advantage? brittleness, ductility, or toughness. Circle your answer.
- 8. Consider the example of a rubber band. It's most recognizable property is: strength, toughness, or elasticity? Circle your answer.
- 9. Define stiffness.