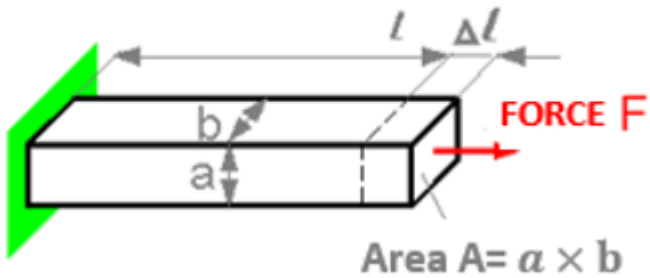


## Material resistance (სატრანსპორტო)

I სემესტრი.2020-2021 წელი  
(შუალედური გამოცდის ნიმუში)

### Question 1

The deformation  $\Delta l$  is proportional

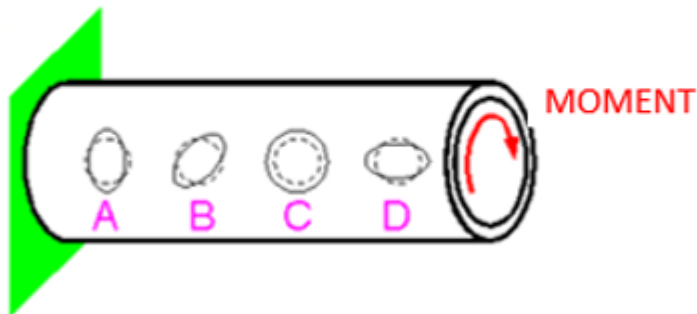


Select one:

- a. Width  $b$
- b. Length  $l$
- c. Height  $a$

### Question 2

The dashed line shows the circles before applying the load to the pipe.  
How do the shapes of the circles change after applying the torque?

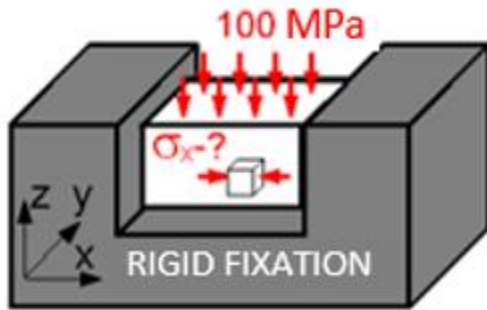


Select one:

- a. A
- b. B
- c. D
- d. C

### Question 3

For the block material, the Poisson coefficient is 0.3.  
What is the stress  $\sigma_x$  equal?

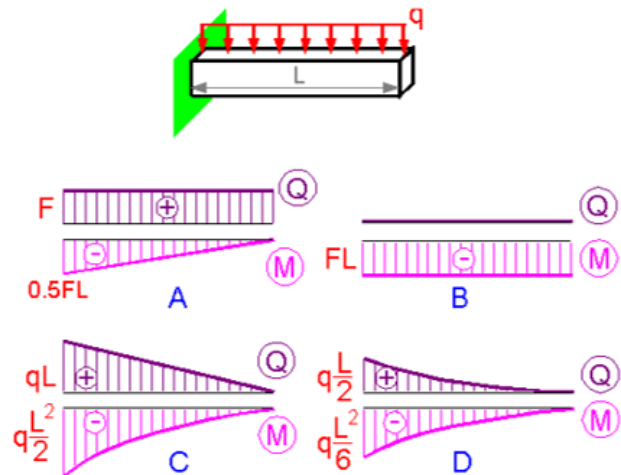


Select one:

- a. 30 MPa
- b. 100 MPa
- c. 0 MPa
- d. -30 MPa

### Question 4

Which graphs of the transverse force  $Q(z)$  and the bending moment  $M(z)$  correspond to the given scheme?



Select one:

- a. D
- b. B
- c. A
- d. C