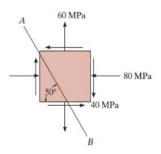
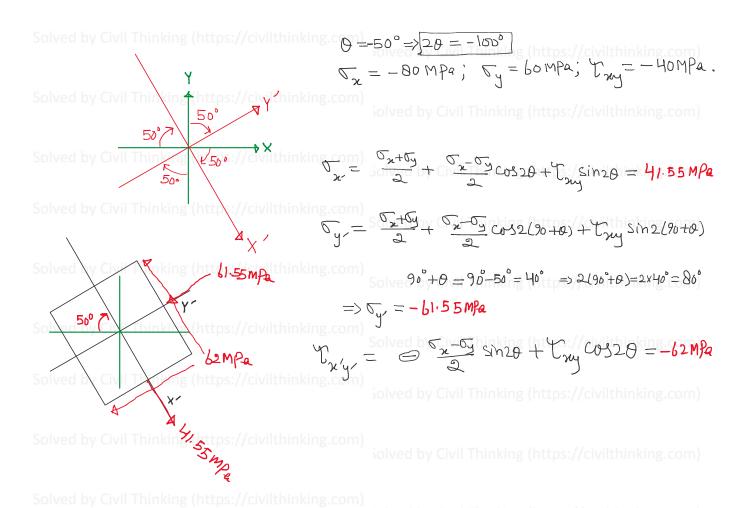
## Plane Stress Transformation question solution using STRESS TRANSFORMATION EQUATIONS

Determine the stress components acting on the inclined plane AB. Solve the problem using the method of **STRESS TRANSFORMATION EQUATIONS.** Draw the sketch.



Mechanics of Materials, R.C. Hibbeler 1oth Ed. Pearson



This problem was solved by Civil Thinking (https://civilthinking.com)

NOTE:

If you need solutions of **Strength of Materials / Mechanics of Materials** Questions or any other Civil Engineering subjects, contact us at: solutions@civilthinking.com Or submit your problem directly here: A https://civilthinking.com/getproblemsolutions Other Subjects We Cover: ✓ Structural Analysis ✓ Fluid Mechanics ✓ Statics/ Engineering Mechanics **☑** Geotechnical Engineering

The solution provided in this document is the intellectual property of Civil Thinking (https://civilthinking.com) and is protected by copyright. Any reproduction, distribution, or publication of this content, in whole or in part, is strictly prohibited without prior written permission from https://civilthinking.com.

✓ Transportation Engineering

✓ Construction Management

Finite Element Analysis (FEA), etc.

☑ Engineering Software (ANSYS, ETABS, MATLAB, Revit, SAP2000, STAAD.Pro, Staad Foundation Advanced, etc.).

Let us help you solve your engineering challenges!