

Answers to “Test Yourself” No. 11

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Rotate, Translate, Scale

Dr. Richard L. Elgin, PLS, PE
Elgin Surveying & Engineering, Inc.
Rolla, Missouri

After rotation, the azimuth of AB becomes $199^{\circ}05'42''$. After scaling, the distance of AB becomes 2153.04 feet. After translating, the new coordinate of A becomes:

925.41 North
6021.65 East

So, the new coordinates of B are:

-1109.16 North
5317.31 East

The “new” north coordinate of B is negative. While perhaps not desirable, hey, negative happens!