homework 6, assigned wed. 14-nov-2018, due tue. 20-nov (if possible)

revisit prob. 1 of HW4 (the traverse problem)
(i will be adding output for $B \& f \&$ delta for first 2 iterations and the final parameter values in case you need to fix your solution - see me if any questions)

1. make 2 -sided global test on reference variance, at alpha=. 05 display the results
2. irrespective of results of 1 ,
(a) make a plot of the point layout and the survey (details your discretion)
(b) compute parameters of $99 \%$ confidence ellipses for each of the three points twice: once for the case of accept Ho, again for the case of reject Ho
(c) plot both ellipses for each point (with different colors) at a scale which is appropriate
(d) plot a labelled map scale bar, and a labelled error scale bar
3. useful matlab graphic info
plot ([x1 x2 x3], [y1 y2 Y3],'b*') plots a blue asterisk symbol at the 3 points
plot ([x1 x2 x3], [y1 y2 y3],'g-') plots a green polyline through points 1, 2, 3
plot ([x1 x2 x3], [y1 y2 y3],'g-','linewidth',2) plots a thicker green line
plot([x1 x2 x3], [y1 y2 y3],'ko','linewidth',2) plots a heavier weight black circle at each point
see the "help plot" for more options
text (x,y,'string') plots text annotation starting at location $x, y$
begin with "hold on" statement
end with "axis equal" statment
print (gcf,'foo.jpg','-djpeg','-r300') puts a high quality rendering of the drawing into the indicated image file.
4. in your results show the usual output for the $L S$ problem with all post adjustment statistical results. include hardcopy of the plot, include source code. email me a copy of the image file.
