ANSWERS

A)_____

B)_____

C)_____

A)   Square ABCD has area 400. Its diagonals intersect at E. Find the exact perimeter of triangle ABE.

B)   Rectangle SROH has SR = 40 and SH = 30. Point E is on $\overline{RH}$ so that $\overline{SE} \perp \overline{RH}$ Find the area of concave pentagon SHORE.

C)   The area of a kite is 168. The shorter diagonal is the axis of symmetry; the other diagonal has length 24. If the kite has integral sides, find its perimeter.