

# SCALENE TRIANGLES LAW OF SINES/COSINES CHART

| <u>KNOWN INFORMATION</u>               | <u>LAW OF SINES</u>                 | <u>LAW OF COSINES</u>         |
|--|-------------------------------------|-------------------------------|
| ANGLE-ANGLE-ANGLE                      | NOT POSSIBLE<br>!!! NEED A SIDE !!! | NOT POSSIBLE                  |
| ANGLE-SIDE-ANGLE                       | ( solve third angle )<br>YES        | NO                            |
| ANGLE-ANGLE-SIDE<br>(SIDE-ANGLE-ANGLE) | ( solve third angle )<br>YES        | NO                            |
| ANGLE-SIDE-SIDE<br>(SIDE-SIDE-ANGLE)   | YES<br>!!! BUT BEWARE !!!           | POSSIBLE<br>!!! BUT NASTY !!! |
| SIDE-ANGLE-SIDE                        | NO                                  | YES                           |
| SIDE-SIDE-SIDE                         | NO                                  | YES                           |