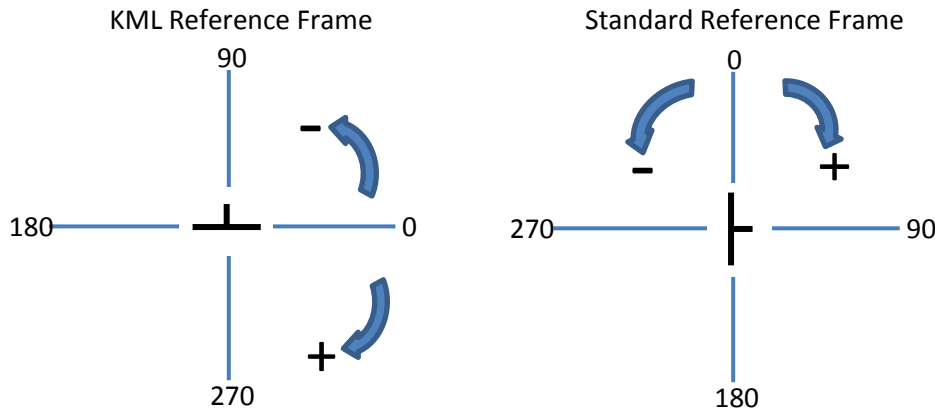
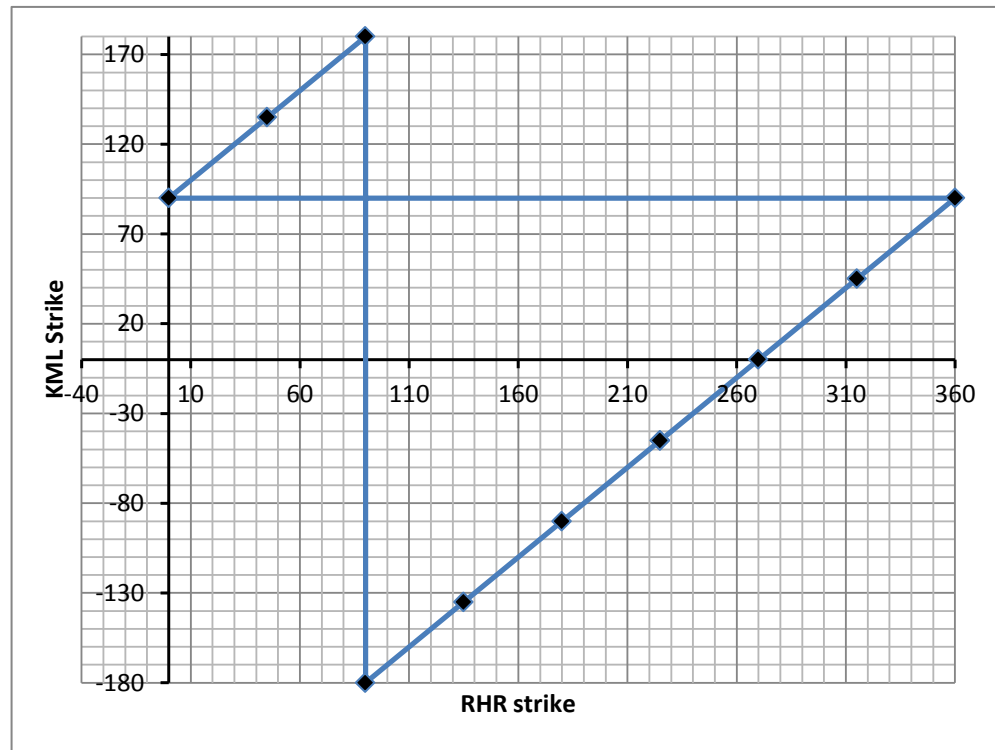


Conversion of Right-hand Rule Strike to KML Strike for use in ArcGIS toolbox export to KML
 M. Helper, 3/14/2012

Strike	Lookup table
RHR	KML
225	-45
270	0
315	45
360	90
0	90
45	135
90	180
90	-180
135	-135
180	-90
225	-45
270	0
271	1
272	2
273	3
274	4
275	5
276	6
277	7
278	8
279	9
280	10
281	11
282	12
283	13
284	14
285	15
286	16
287	17
288	18
289	19
290	20
291	21
292	22

For RHR of 90 to 360 degrees: **KML= RHR-270**
 For RHR of 0 to 90 degrees: **KML= RHR+90**



TO PREPARE FOR EXPORT TO KML:

- 1) Create a (short integer) column in the Attribute table called "KML strike"
- 2) Sort the table smallest to largest using the right-hand rule strike field
- 3) Select by attribute all strike records from 0 to 90;
- 4) Use the field calculator in the "KML strike" field to fill values by adding 90 to strike;
- 5) Select by attribute the remaining strikes;
- 6) Use the field calculator to populate the KML strike field for these records by subtracting 270 from strike

ALTERNATIVELY

- 1) Create a lookup table with two columns, one for RHR strike and another for KML strike
- 2) Join the lookup table to the strike and dip table, using RHR strikes as the common key

BEFORE EXPORTING TO KML:

- 1) In the symbology tab, set the strike and dip symbol rotation to the KML strike field and use the "Geographic" reference frame.