



EXPANDING SQUARE SEARCH WORKSHEET

TIME TABLE LENGTH OF LEG AND SPEED

CHOOSE LEG LENGTH & SPEED TO RUN COARSE,
CROSS REF. TO DETERMINE TIME NEEDED TO RUN EACH LEG.

LEG LENGTH IN MILES	6 MPH	7	8	10	12	SPEED MPH
	min/sec	min/sec	min/sec	min/sec	min/sec	
.25	2:30	2:08	1:52	1:30	1:15	
.5	5:00	4:17	3:45	3:00	2:30	
1.0	10:00	8:34	7:30	6:00	5:00	
1.5	15:00	12:51	11:15	9:00	7:30	

HEADINGS & TIMINGS

LEG	LENGTH OF LEG IN MILES	START HDG	ADD DEGREES	NEW HDG	TIME min/sec OF LEG	@ SPEED
1ST						
2ND			+90			
3RD			+90			
4TH			+90	WORKSHEET 1		
5TH			+90			
6TH			+90			
7TH			+90			

HEADINGS & TIMINGS (example)

LEG	LENGTH OF LEG IN MILES	START HDG	ADD DEGREES	NEW HDG	TIME min/sec OF LEG	@ SPEED
1ST	.25	000			1:30	10 mph
2ND	.25		+90	090	1:30	10 mph
3RD	.5		+90	180	3:00	10 mph
4TH	.5		+90	270	3:00	10 mph
5TH	.75		+90	360	4:30	10 mph
6TH	.75		+90	090	4:30	10 mph
7TH	1.0		+90	180	6:00	10 mph

Example above assumes a START HDG of 000 deg.
A LENGTH of LEG of .25 mi and SPEED of 10 mph.

REPORT TO HELMSMAN

HEADINGS & TIMINGS

LEG	LENGTH OF LEG IN MILES	START HDG	ADD DEGREES	NEW HDG	TIME min/sec OF LEG	@ SPEED
1ST						
2ND			+90			
3RD			+90			
4TH			+90	WORKSHEET 2		
5TH			+90			
6TH			+90			
7TH			+90			