

# Trapezoid Course (6-Leg) Templates

## 30 min. Trapezoid

Inner W/L Leg = 0.43nm  
 Reach Leg = 0.26nm  
 Outer W/L Leg = 0.43nm  
 Finish Leg = 0.15nm  
 Dist. Sailed = 2.70nm

Plan Wind = 000		
Relative BRG (°M)		
Mark	From RC	To RC
1	-005	175
1a	-006	174
2	-037	143
3	-107	073
4	-040	140
FB	-138	041

Actual Wind = _____		RC Dist. To/From Mark (nm)
Actual BRG (°M)		
From RC	To RC	
		0.48
		0.40
		0.44
		0.28
		0.07
		0.22

## 45 min. Trapezoid

Inner W/L Leg = 0.67nm  
 Reach Leg = 0.40nm  
 Outer W/L Leg = 0.67nm  
 Finish Leg = 0.15nm  
 Dist. Sailed = 4.04nm

Plan Wind = 000		
Relative BRG (°M)		
Mark	From RC	To RC
1	-003	177
1a	-004	176
2	-037	143
3	-111	069
4	-040	140
FB	-132	048

Actual Wind = _____		RC Dist. To/From Mark (nm)
Actual BRG (°M)		
From RC	To RC	
		0.72
		0.64
		0.65
		0.41
		0.07
		0.35

## 60 min. Trapezoid

Inner W/L Leg = 0.90nm  
 Reach Leg = 0.53nm  
 Outer W/L Leg = 0.90nm  
 Finish Leg = 0.15nm  
 Dist. Sailed = 5.38nm

Plan Wind = 000		
Relative BRG (°M)		
Mark	From RC	To RC
1	-003	177
1a	-003	177
2	-036	144
3	-113	067
4	-040	140
FB	-128	052

Actual Wind = _____		RC Dist. To/From Mark (nm)
Actual BRG (°M)		
From RC	To RC	
		0.95
		0.87
		0.85
		0.55
		0.07
		0.48

## 75 min. Trapezoid

Inner W/L Leg = 1.14nm  
 Reach Leg = 0.63nm  
 Outer W/L Leg = 1.14nm  
 Finish Leg = 0.15nm  
 Dist. Sailed = 6.35nm

Plan Wind = 000		
Relative BRG (°M)		
Mark	From RC	To RC
1	-002	178
1a	-002	178
2	-036	144
3	-115	065
4	-040	140
FB	-127	053

Actual Wind = _____		RC Dist. To/From Mark (nm)
Actual BRG (°M)		
From RC	To RC	
		1.19
		1.11
		1.06
		0.68
		0.07
		0.62

ezTrap Trap6 v12 Input Values: Mag. Wind Direction=000; Avg. Tack Angle=100 (45x2+leeway 5x2); Avg. Boat Speeds-Beat=5.5kt, Reach=6kt, Run=5kt; Marks 1, 1a & 4 aligned with MidPoint of Start Line; Mark 1 included angle=60; Finish Leg Angle=60; Outer/Inner Spacing=125%.