

horizontal distance (ft)	horizontal distance x(in)	vertical deflection 2y(in)	one-tenth number step (in)
3.00	36	2.26	0.23
3.50	42	2.64	0.26
4.00	48	3.02	0.30
4.50	54	3.39	0.34
5.00	60	3.77	0.38
5.50	66	4.15	0.41
6.00	72	4.53	0.45
6.50	78	4.90	0.49
7.00	84	5.28	0.53
7.50	90	5.66	0.57
8.00	96	6.03	0.60
8.50	102	6.41	0.64
9.00	108	6.79	0.68
10.00	120	7.54	0.75
10.50	126	7.92	0.79
11.00	132	8.30	0.83
11.50	138	8.67	0.87
12.00	144	9.05	0.91
12.50	150	9.43	0.94
13.00	156	9.80	0.98
13.50	162	10.18	1.02
14.00	168	10.56	1.06
14.50	174	10.94	1.09
15.00	180	11.31	1.13
15.50	186	11.69	1.17
16.00	192	12.07	1.21

constant (rad)
31.82052

9-29-08
FOR USE W/
MAD MIKE'S
MANIPULATOR
OR SIMILAR
DEVICES

COURTESY OF:
MARK MARTINELLI
BEELINE SECURITY
ST. LOUIS, MO
314-288-8195

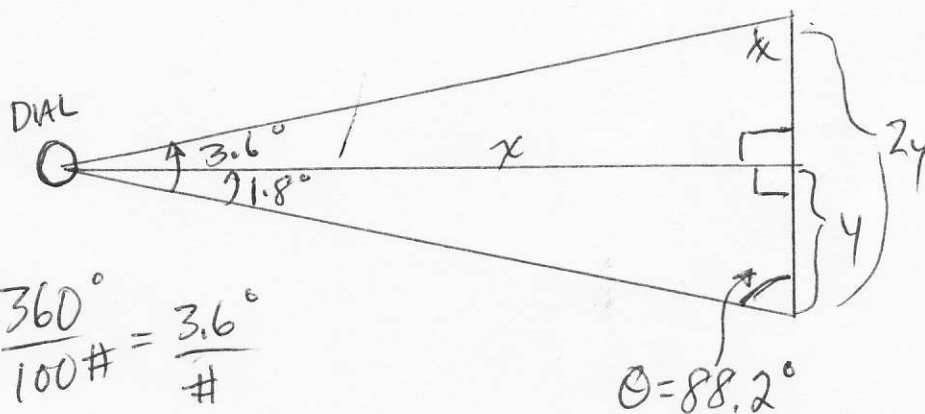
$$\tan \theta = \frac{\text{opp}}{\text{adj}} = \frac{x}{y}$$

$$\tan 88.2^\circ =$$

$$\frac{\tan 88.2 \pi \text{ rad}}{180} = 31.82052$$

$$31.82052 = \frac{x}{y}$$

$$y = \frac{x}{31.82052}$$



$$\frac{360^\circ}{100\#} = \frac{3.6^\circ}{\#}$$