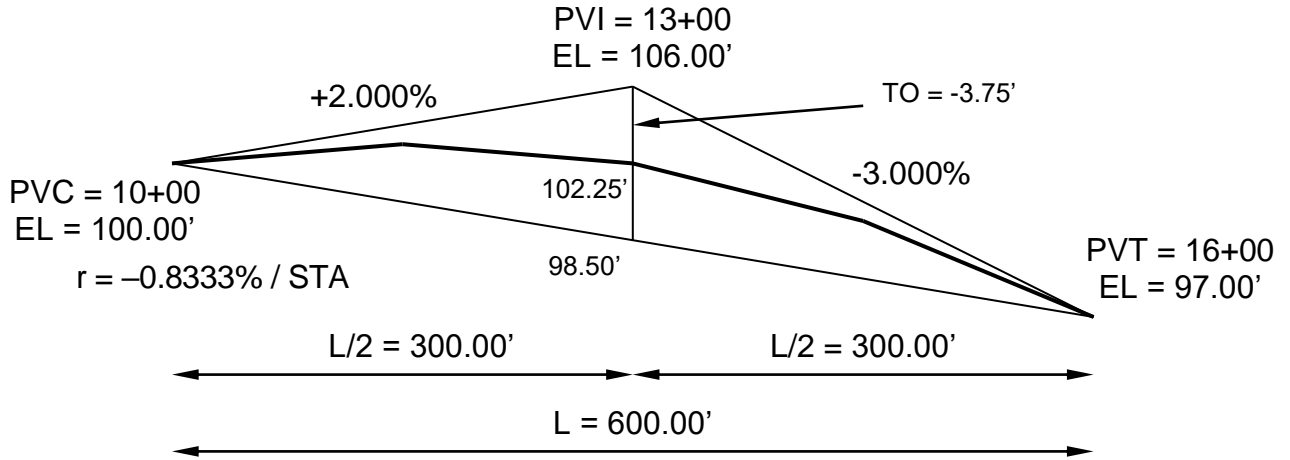


1. Given the curve as shown...  
Find elevations for full and half stations:



A	=	-0.4167	HI PT x	=	2.4000 sta
B	=	+2.0000	HI PT STA	=	12+40.00
C	=	100.0000	HI PT EL	=	102.40

Using first tangent only...

STATION	X	CURVE ELEVATION	% GRADE
10+00	0.00	100.00	2.00
10+50	0.50	100.90	1.58
11+00	1.00	101.58	1.17
11+50	1.50	102.06	0.75
12+00	2.00	102.33	0.33
12+50	2.50	102.40	-0.08
13+00	3.00	102.25	-0.50
13+50	3.50	101.90	-0.92
14+00	4.00	101.33	-1.33
14+50	4.50	100.56	-1.75
15+00	5.00	99.58	-2.17
15+50	5.50	98.40	-2.58
16+00	6.00	97.00	-3.00
12+40	2.4000	102.40	0.00