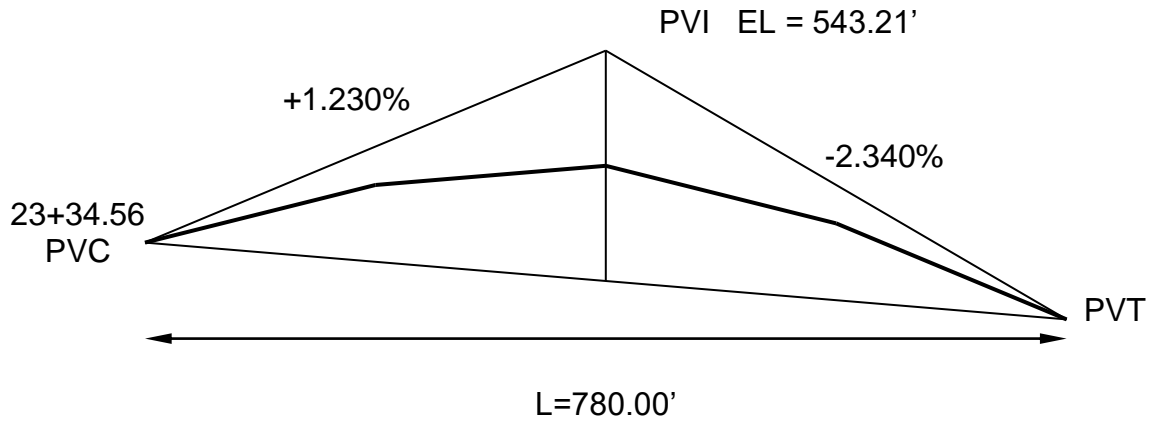


**Key**

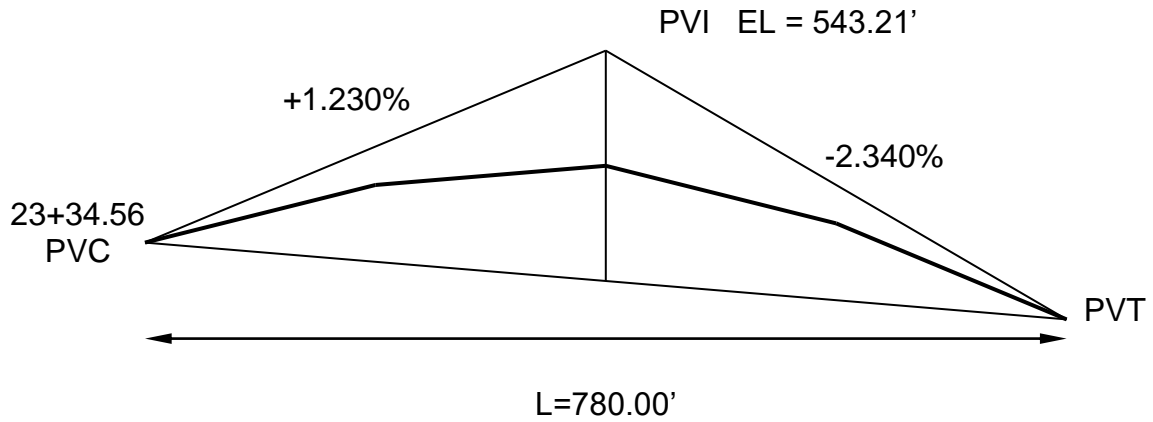
Given the curve as shown...  
Find elevations for full and half stations:  
(Include station at midpoint of curve.)



STATION	X	TANGENT ELEVATION	OFFSET	CURVE ELEVATION	FIRST DIFFERENCE	SECOND DIFFERENCE
23+34.56	0	538.413	0	538.413		
23+50	0.1544	538.6	-0.0055	538.59	0.18	0.35
24+00	0.6544	539.22	-0.098	539.12	0.53	-0.12
24+50	1.1544	539.83	-0.3	539.53	0.41	-0.12
25+00	1.6544	540.45	-0.63	539.82	0.29	-0.11
25+50	2.1544	541.06	-1.06	540	0.18	-0.11
26+00	2.6544	541.68	-1.61	540.07	0.07	-0.13
26+50	3.1544	542.29	-2.28	540.01	-0.06	-0.1
27+00	3.6544	542.91	-3.06	539.85	-0.16	0.08
27+24.56	3.9	543.21	-3.48075	539.72925	-0.12	-0.03
27+50	4.1544	543.52	-3.95	539.57	-0.15	-0.24
28+00	4.6544	544.14	-4.96	539.18	-0.39	-0.12
28+50	5.1544	544.75	-6.08	538.67	-0.51	-0.11
29+00	5.6544	545.37	-7.32	538.05	-0.62	-0.12
29+50	6.1544	545.98	-8.67	537.31	-0.74	-0.1
30+00	6.6544	546.6	-10.13	536.47	-0.84	-0.13
30+50	7.1544	547.21	-11.71	535.5	-0.97	-0.11
31+00	7.6544	547.83	-13.41	534.42	-1.08	0.74
31+14.56	7.8	548.007	-13.923	534.084	-0.34	

**Key**

Given the curve as shown...  
Find elevations for full and half stations:  
(Include station at midpoint of curve.)



STATION	X	TANGENT ELEVATION	OFFSET	CURVE ELEVATION	FIRST DIFFERENCE	SECOND DIFFERENCE
23+34.56	0	538.41	0.00	538.41		
23+50	0.1544	538.60	-0.01	538.59	0.18	
24+00	0.6544	539.21	-0.10	539.12	0.52	0.34
24+50	1.1544	539.83	-0.30	539.52	0.41	-0.11
25+00	1.6544	540.44	-0.63	539.82	0.29	-0.11
25+50	2.1544	541.06	-1.06	540.00	0.18	-0.11
26+00	2.6544	541.67	-1.61	540.06	0.06	-0.11
26+50	3.1544	542.29	-2.28	540.01	-0.05	-0.11
27+00	3.6544	542.90	-3.06	539.85	-0.16	0.04
27+24.56	3.9	543.21	-3.48	539.73	-0.12	-0.03
27+50	4.1544	543.52	-3.95	539.57	-0.16	-0.24
28+00	4.6544	544.13	-4.96	539.18	-0.39	-0.11
28+50	5.1544	544.75	-6.08	538.67	-0.51	-0.11
29+00	5.6544	545.36	-7.32	538.05	-0.62	-0.11
29+50	6.1544	545.98	-8.67	537.31	-0.74	-0.11
30+00	6.6544	546.59	-10.13	536.46	-0.85	-0.11
30+50	7.1544	547.21	-11.71	535.50	-0.97	-0.11
31+00	7.6544	547.82	-13.41	534.42	-1.08	0.74
31+14.56	7.8	548.00	-13.92	534.08	-0.34	