Monitoring Via EVM

Task ID	Activity	Pred.	Duration (Months)	Budget (k$)	Progress	AC	EV	PV	CV	SV	CPI	SPI	EAC
1	Preparation	-	2	600	100 %	600	600	600	0	0	1	1	600
2	Design	1	3	1200	100 %	1400	1200	1200	-200	0	0.85	1	1400
3	Implement-ation	2	2	400	50 %	200	200	200	0	0	1	1	400
4	Testing	2	3	1200	33.3 %	500	400	400	-100	0	0.8	1	1500
5	Deployment	4	3	300	0 %	0	0	0	0	0	0	0	300
Total			13	3700		2700	2400	2400					4200

Q1: By how much, is it over/under budget? -Over budget by 300k.
Q2:By how many days, is it ahead/behind the schedule? –On schedule.
Q3:By the end of the project how much will it be over/under budget? –Over budget by 500k
Q4: CV = EV – AC = 2400 – 2700 = -300 since it's less than zero therefore we are over budget by 300k.
SV = EV – PV = 2400 – 2400 = 0 since it's Equal to zero therefore we are on schedule.
CPI = EV / AC = 2400 / 2700 = 0.88 since it's less than one therefore we are over budget.
SPI = EV / PV = 2400 / 2400 = 1 Since it's equal to one therefore we are on schedule.
EAC = BAC / CPI= 3700/ 0.88 = 4200 k.