Here is a table with just the formulas you will need to know for the exam:

Term	Description	Formula
Budget at Completion (BAC)	Original budget of the project.	None, just the original budget.
Planned Value (PV)	Amount of money worth of work we that should have been done on the project.	PV= Planned % Complete x BAC
Earned Value (EV)	Amount of money worth of work you actually did on the project.	EV= Actual % Complete x BAC
Actual Cost (AC)	Amount of money you already spent on the project	None, just the amount already spent on the project.
Cost Variance (CV)	The difference between the work done and money spent. This value should be positive for under budget. **Negative values indicate over budget**	CV = EV - AC
Cost Performance Index (CPI)	The rate of how we are spending to actually earning on the project. **This value should be 1 and over for projects under budget.**	CPI = EV / AC
Schedule Variance (SV)	The difference between the amount of work we should have done vs. the amount actually done. This value should be positive for ahead of schedule. **Negative values indicate behind schedule**	SV = EV - PV
Schedule Performance Index (SPI)	The rate of how we are meeting the project schedule. **This value should be 1 and over for a project to be ahead of the schedule.**	SPI = EV / PV
Estimate at Completion (EAC)	Forecasting the total cost of the project at the end based on the current spending rate of the project.	EAC = BAC / CPI
Estimate to Completion (ETC)	Forecasting the amount that will be needed to complete the current project based on the current performance.	ETC = EAC - AC
Variance at Completion (VAC)	The difference between the original budget and new forecasted budget. This value should be positive for projects that may end at or under budget	VAC = BAC - EAC
To-Complete Performance Index (TCPI)	The performance that needs to be met to finish the project within the budget.	TCPI = (BAC – EV) / (BAC – AC)
Earned Valued Memorization Chart		

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