3. a.

CV = EV – AC

CV = $55,000 - $50,000

CV = $5,000

SV = EV – PV

SV = $55,000 - $60,000

SV = -$5,000

CPI = EV/AC

CPI = $55,000 / $50,000

CPI = 110%

SPI = EV / PV

SPI = $55,000 / $60,000

SPI = .92

3. b.

The project is currently behind schedule, under budget.

3. c.

EAC = BAC / CPI

EAC = $120,000 / 110%

EAC = $109, 090.91

The project is performing better than planned

3. d.

ETC = original time / SPI

ETC = 6/ .92

ETC = 6.52 months