CHE374 - QUIZ4

Question 4

RISK Free Rate (RF)	2.2%
Market Rate (MR)	8 %
Beta (b)	0.75
Current Stock Price W/O Dividend(CS)	\$35.00

Dividend per share = 4%.

	Formula	Substitution	Answer
CAPM	E(IR) = RF + B(MR-RF)	E(R) = 0.022 + 0.75 (0.08-0.022)	0.0655
Stock Price 1 year from now	= C5*(1+A ₁)	= 35(1+0.0655)	\$37,2925
Dividend a year end	= A2*(DIV)	= 37.2925 (0.04)	\$1.4917
Stock Price 1 year from now without dividend	= A2* (1-DIV)	= 37.2925 (1-0.04)	\$ 35.8008
Stock Price 2 years from now	= Ay *(1+ A1)	= 35.8008 (1+0.0655)	\$38.1457
Dividend at year end	= A5*(DIV)	= 38.1457 (0-04)	\$1.52588
Stock Pice 2 years from now without dividend	= A5*(1-DIV)	= 38.1457 (1-0.04)	\$36.61987
Stock Price 2.5 years from now.	= A7 * C1+ AD0.5	= 36.61987(1+0.0655)0.5	\$ 37.8001

A2 / A3 / A4 / A5 /

Ac A= A8

Question 1) \$38.15 (A sigfigs)

Question 2) \$36.62 (4 Sig figs)