FINANCE 125
HOUR EXAM III
SPRING 2015
S. G. BUELL

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SECTION REGISTERED	SECTION	REGISTERED	7 4
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TO RECEIVE CREDIT YOU MUST CLEARLY SHOW ALL OF YOUR WORK (i.e., EQUATIONS). YOU MAY NOT JUST LIST THE CALCULATOR BUTTONS YOU PRESSED.

[1] (30 points)

Today you buy 100 shares of the Acme Company's \$100 par value convertible preferred stock. The preferred stock pays an annual dividend of 6% and is convertible into Acme's common stock at a conversion price of \$25 per share. The preferred is priced to yield 5% a year.

Acme's common stock dividends are expected to grow at 30% for the next 5 years and then at 20% for another 6 years before stabilizing at a 4% rate for the indefinite future. Yesterday Acme paid a 40 cents common stock dividend. Investors require a return of 15% on common stock of Acme's risk-class.

{a} Calculate the IRR you earn if all forecasts hold and you convert your preferred stock after 8 years.

{b} Calculate the IRR you earn if all forecasts hold and you convert your preferred stock What is ACME'S cost of retained earnings?

{c} Add a short answer ques

PF'D STOCK: \$100 PAR D=68 => .06 ×100 = \$6.00/54. Conversion PRICE = \$25/SHAME CONVERSION RATIO = 100/25 = 4 SHARES 4/120 - 5%

PRICE OF PFID = D = 6 = 4/20/SHARE (9) IRR844 120=6(PVIFa-2-8) + 143.83
(1+2)8

(b) IRR20 12-N20 = 7.33% 120 = 6(PUIFa-120-20) + 238.71