Quiz .	A	for	2:30	Class:	10/23/13
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Name Key

Short Answer 1 (15 points): Gamma Air's stock has a market value of \$200 million and its debt has a market value of \$100 million. You currently own \$195,000 of Gamma Air stock and \$105,000 of Gamma Air bonds. What transactions would be required for you to have an unlevered position in Gamma Air?

18/4-

Buy \$5000 of famma Stock + Sell \$5000 of bamma bonds

Short Answer 2 (15 points): Briefly explain how debt helps resolve stockholder-manager conflict after it is issued.

+11 +3 -10/10/+1

1) cash used for debt serviceso mgt worth waste it 2) creditors helpmonitor management

Problem (75 points): Space Balloon Inc. has a 10% chance of earning \$8 million, a 30% chance of earning \$17 million, a 40% chance of earning \$23 million, and a 20% chance of earning \$36 million. If the corporate tax rate equals 35%, the personal tax rate on equity income equals 15%, and the personal tax rate on ordinary income equals 40%, what is the optimal level of interest expense for Space Balloon?

Note: Calculations required. You will only receive partial credit if you show your work.

Wall Street Journal Questions are on the back of this page.

$$\frac{3.44 \text{ out disw}}{4.17} + \frac{40}{1.15} + \frac{1}{1.15} = +0.0 \times 295 \times 39$$

$$+7 \left(7 + \frac{1}{1.15} - \frac{1}{1.15}$$

+7 => optimal = 10017

Note: 0-8: T* = +0.07917 23-36: T* = -0,3175 36+: The = -.4167