Quiz 2: Valuation

Answer all questions and show necessary work. Please be brief. This is an open-book, open-notes exam.

1. You are reviewing the expected cash flows for Corus Inc., that have been estimated by the analysts:

	1	2	3
Growth rate	8.00%	8.00%	8.00%
EBIT (1-t)	\$ 108.00	\$ 116.64	\$ 125.97
- Reinvestment	\$ 43.20	\$ 46.66	\$ 50.39
FCFF	\$ 64.80	\$ 69.98	\$ 75.58

Assuming that the company's returns on capital are stable, and the reinvestment and growth are contemporaneous (happen in the same year), estimate the terminal value for the firm, assuming a growth rate of 3% forever after year 3. (You can assume a cost of capital of 10%). (2 points)

Spring 2025 Name:

2. QuantAI is a closed-end fund, with investments in publicly traded companies (of average risk) valued at \$240 million. If the expected return on the average risk stock is 8%, and QuantAI's asset-under-management are expected to grow 2% a year, while earning an annual alpha (a return in excess of the expected return) of 1.0%, estimate the fair market capitalization for QuantAI. (2 points)

Spring 2025 Name:

3. You are trying to value equity in Kraven Inc., a publicly traded company with two cross holdings – a 75% holding in Gasper Inc. and a 10% holding in Lumix. You have the following information (with \$ values in millions):

	Kraven (consolidated)	Gasper	Lumix
FCFF (next year)	\$250	\$100	\$45
Cost of capital	10.00%	12.00%	8.00%
Growth rate	2.00%	2.00%	2.00%
Net Debt	\$500	\$400	\$0
Shares	1500	500	Not traded
Percent owned		75.00%	10.00%

Estimate the value of equity in Kraven.

(3 points)

Spring 2025 Name:

4. Based on an intrinsic valuation, an analyst has concluded that Garmax Inc. is fairly valued at its current stock price of \$7.50/share, using the **fully diluted approach** for options. Garmax has 10 million shares and 2 million options outstanding, and the strike price on the options is \$6. If the **value per option is \$3**, estimate the **correct value of equity per share**. (2 points)