

Technical Session #2: Accounting Basics

September 15, 2019



Agenda

- I. Recap: macro and market news; deals
- II. Introduction to three statements
 - I. Income Statement
 - II. Balance Sheet
 - III. Cash Flow Statement
- III. Links between the statements
- IV. Practice questions
- V. Q&A



Income Statement

Revenue

Less: Cost of Goods Sold

Gross Profit

2 Less: Operating Expense

EBITDA

3 Less: D&A

EBIT (Operating Income)

Less: Interest Expense

EBT (Earnings Before Tax)

Less: Taxes

Net Income

1 Direct costs that go into the production of goods & services (e.g., raw material, labor, etc.)

- Costs that a firm incur through normal course of business, but not including production of goods
 - SG&A = Sales, Marketing, General & Administrative
- 3 Accounting costs that reflect the reduction in value of tangible & intangible assets over useful life
 - Non-cash expenses



Balance Sheet

Cash

- 1 Current Assets
- Long-Term Assets
 Total Assets
- Current Liabilities
- Long-Term Liabilities

Total Liabilities

- 5 Common Stock
- Retained Earnings
 Shareholders' Equity

Assets = Liabilities + Equity

- Assets that can be converted to cash within 1 year (e.g., Accounts Receivable, ST Investments, Inventory)
- Property, Plant, & Equipment (PP&E) and Intangibles (goodwill, patent, licenses, etc.)
- Liabilities that must be paid off within 1 year (Accounts Payable, ST Debt)
- 4 Bonds, loans, or mortgages with maturity > 1 years
- 5 Stock of a company traded on the public markets
- Profits that a company generates and does not redistribute to their shareholders in form of a dividend

Cash Flow Statement

- Net Income
- 1 Add: D&A (non-cash expenses)
- Change in Working Capital
 Cash Flow from Operations (CFO)
- Capital Expenditures

 Cash Flow from Investing (CFI)
- Dividends
 Cash Raised/Spent on Debt
- Cash Raised/Spent on Equity

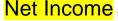
Cash Flow from Financing (CFF)

Beginning Cash Add: Change in Cash Ending Cash

- Adding back any non-cash expenses, such as D&A to cash flow from operations
- Meep track of changes in Current Assets & Liabilities
 - Increase in assets = decrease in cash flow
 - Increase in liabilities = increase in cash flow
- 3 Cash used to invest in Long-Term Assets (PP&E) or generated from sale of existing assets
- Portion of net profits paid to shareholders at discretion of management
- Keep track of changes in Long-Term Liabilities
- 6 Keep track of changes in Common Stock

The Links Between Three Statements

Income Statement	Balance Sheet	Cash Flow Statement
Revenue	Cash	Net Income
Less: Cost of Goods Sold	Current Assets	Add: D&A (non-cash expenses) Change in Working Capital
Gross Profit	Long-Term AssetsTotal Assets	Cash Flow from Operations (CFO)
Less: Operating Expense		Capital Expenditures
EBITDA	Current Liabilities	Cash Flow from Investing (CFI)
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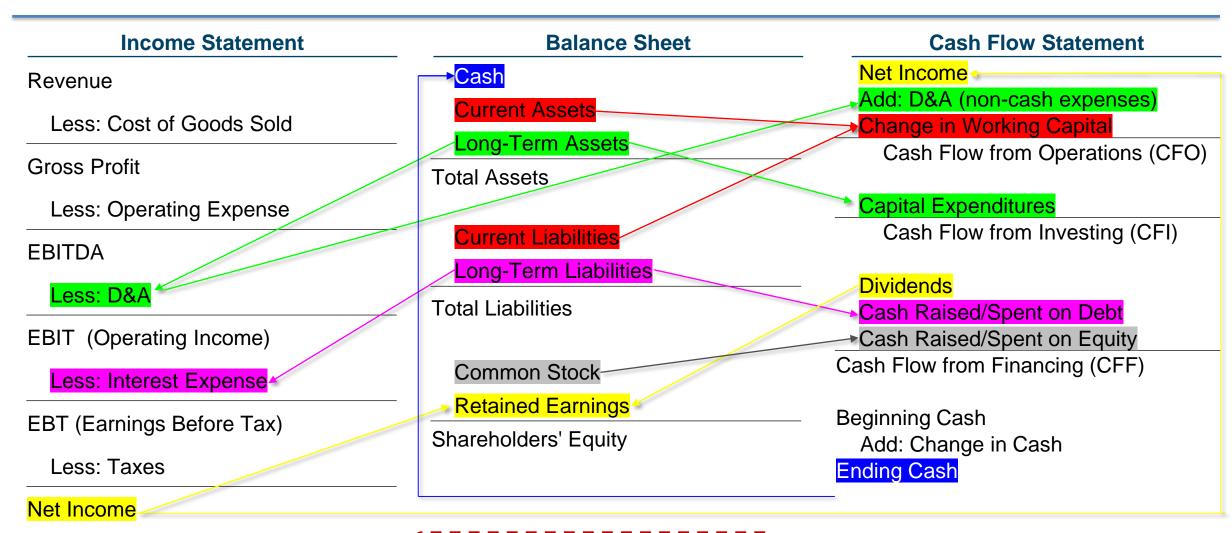
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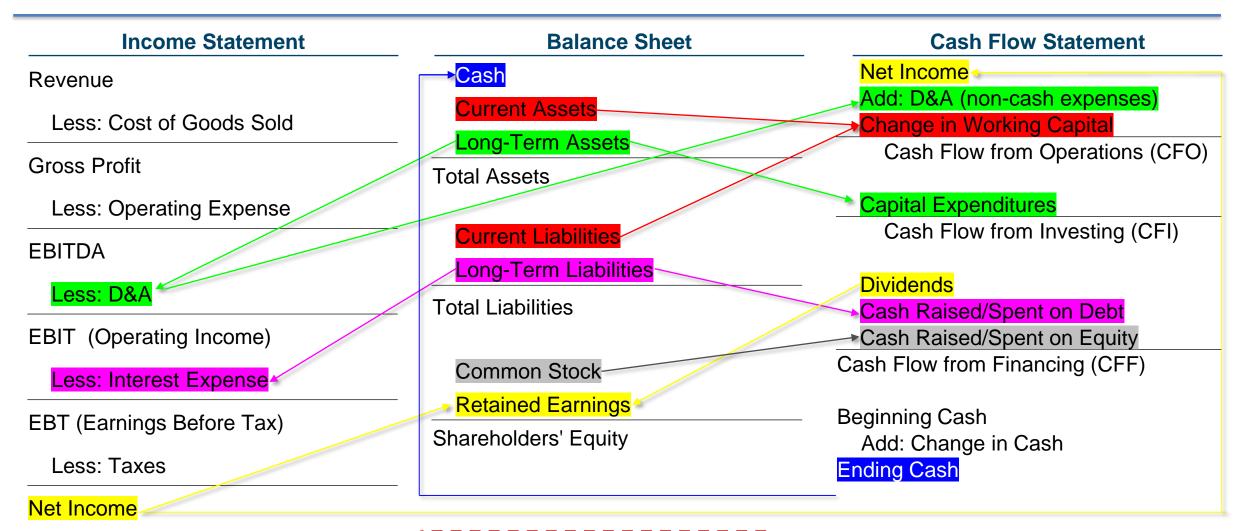


Practice Question 1: What happens when Depreciation goes up by \$100?





Practice Question 2: What happens when Inventory goes up by \$100?



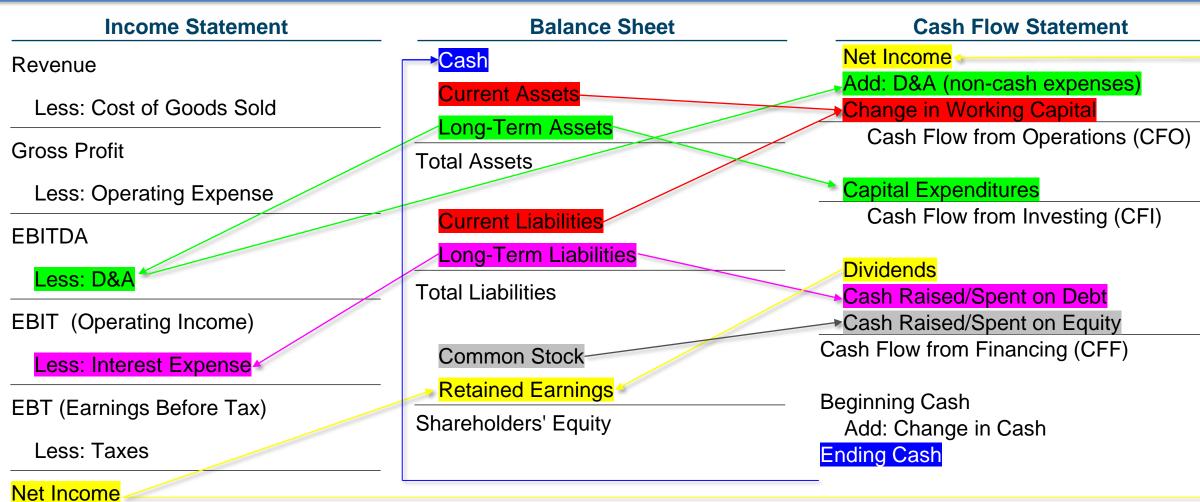


Practice Question 3: What happens when a company raises \$100 in Debt?

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Practice Question 4: What happens in the beginning of Year 1 when a company buys \$100 equipment with cash?







Practice Question 5: What happens in the end of Year 1 after 10% depreciation when a company buys \$100 equipment with cash?

