Cost-Volume-Profit Relationships

Contribution margin approach

SALES Less: variable costs = contribution margin

CONTRIBUTION MARGIN Less: fixed costs = net operating income

Break-even equation method

Sales = variable costs plus fixed costs plus profits

Profits = zero for break-even profits = desired profit to determine units sales for that number

Break even contribution margin method

Margin of safety: the excess of budgeted sales dollars over break even volume of sales dollars

Margin of safety = total budgeted or actual sales break even sales