

# **BMTH 010 – Test 3 Formula Sheet**

## **Chapter 7: Break-Even and Cost-Volume-Profit Analysis**

### **NOTATION**

$TR$  = Total Revenue

$TC$  = Total Costs

$VC$  = Variable Costs per unit

$TVC$  = Total Variable Costs

$FC$  = Fixed Costs for a specific period

$x$  = Number of units produced and sold

$S$  = Selling Price per unit

$NI$  = Net Income

### **FORMULAS**

$$TR = S \times x$$

$$TVC = VC \times x$$

$$TC = FC + TVC$$

$$TR = TC + NI$$

$$S \times x = FC + (VC \times x) + NI$$

## **Chapter 6: Linear Systems**

### **NOTATION**

$m$  = Slope

$b$  = y-intercept

### **FORMULA**

$$y = mx + b$$