

Sales Tax and Discount

Goat: \$120.30

Tax Rate: 7%

Method #1

$$\text{Sales Tax} = (.07)(120.30) \\ = \$8.42$$

$$\text{Cost} = 120.30 + 8.42 \\ = \$128.72$$

Method #2

$$\text{Cost} = (1.07)(120.30) \\ = \$128.72$$

Goat: \$120.30

Discount: 40%

Method #1

$$\text{Discount} = (.40) \cdot (120.30) \\ = \$48.12$$

$$\text{Cost} = 120.30 - 48.12 \\ = \$72.18$$

Method #2

$$\text{Cost} = (.60)(120.30) \\ = \$72.18$$

100%

- 40%

60%