

15.3 Net Profit (Pg 563)

$$M = SP - C$$

$$\text{Overhead} = SP * O\%$$

$$\text{Net Profit} = M - O$$

Ex#1: $C = 44.98$
 $SP = 89.99$
 $O = 40\%$

$$M = SP - C$$

$$89.99 - 44.98$$

$$M = 45.01$$

$$O = SP * O\%$$

$$89.99 * .4$$

$$O = 36.00$$

$$NP = M - O$$

$$45.01 - 36$$

$$NP = \$9.01$$

1. a) $C = 56$
 $SP = 140$
 $O = 50\%$

a) $M = SP - C$
 $140 - 56$

$$M = \$84$$

b) $O = SP * O\%$
 $140 * .5$

$$O = \$70$$

b) $NP = M - O$
 $84 - 70$

$$NP = 14.00$$

EX#2

$O\% = 35\%$
 $O = 62.99$
 $C = 38.75$

a) $O = SP * O\%$
 $62.99 = SP * .35$
 $.35 \quad .35$

$$179.97 = SP$$

b) $M = SP - C$
 $179.97 - 38.75$

$$M = 141.22$$

c) $NP = M - O$
 $141.22 - 62.99$

$$NP = \$78.23$$

#3) $O\% = 20\%$
 $O = 1.25$
 $M = 4.35$

a) $O = SP * O\%$
 $1.25 = SP * .2$
 $.2 \quad .2$

$$\$6.25 = SP$$

b) $NP = M - O$
 $4.35 - 1.25$

$$NP = 3.10$$

4) a) $SP - C$
 $40 - 20$
 $\$20$

b) $SP * O\%$
 $40 * .3$
 $\$12.00$

c) $M - O$
 $20 - 12$
 8

c) $M = SP - C$
 $4.35 = 6.25 - C$

$$-6.25 = -6.25$$

$$-1.90 = -C$$

$$\$1.90 = C$$

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$$\$1.90 = C$$

4) a) $SP - C$
 $40 - 20$
 $\$20$

b) $SP * O\%$
 $40 * .5$
 $\$20.00$

c) $M - O$
 $20 - 12$
 8

$$\$1.90 = C$$