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BUF 2255  
HW

2) a)  $400 \times \$120 = \$4800$

b) Cost =  $\$2 \times c\%$   
 $= \$4800 \times (100\% - 56.5\%)$   
 $= \$4800 \times 43.5\%$   
 $= 20880$

c)  $320 \times \$48 = 15360$

d)  $\$20880 - \$15360 = \$5,520$

e)  $400 - 320 = 80$

$\$5520 \div 80 = \$69.0$

4) a)  $10 \times 125 = 1250$

$15 \times 110 = 1650$

$25 \times 75 = 1875$

$14 \times 90 = 1260$

Total cost =  $\$6035$

b)  $R = \text{cost } \$ \div \text{cost } \%$

$= \$6035 \div (100\% - 61.25\%)$

$= 6035 \div 38.75$

$= \$15574.1$

c)  $R = tr \div \text{amount of shirts}$

$= \$15574.1 \div 64$

$= \$2435$

7) a)  $500 \times \$45 = 22500$

b)  $TC = R \times c\%$

$= 2250 \times (100\% - 42\%)$

$= 2250 \times 58\%$

$= \$13050$

c)  $350 \times 25 = \$ 8750$

d)  $Tr - Tc = Mu$

$13050 - 8,750 = \$ 4,300$

e)  $500 - 350 = 150$

$4,300 \div 150 = \$ 28.66$

10) a)  $200 \times 25 = \$ 5,000 \leftarrow Tr$

b)  $Tc = C = \$R \times c \%$

$= \$ 5000 \times (100\% - 54\%)$

$= \$ 5000 \times 46\%$

$= \$ 2300$

c)  $140 \times 10 = \$1400$

d)  $Tr - Tc = Mu$

$2,300 - 1,400 = 900$

e)  $200 - 140 = 60$

$900 \div 60 = \$15$