

HW: Oct. 25 Answer Key

HW

11/2

67

1) Let $x = \#$ of windows
 $145.50x + 2250 = 4432.50$

2) Let $x = \#$ of months
LA = Sunrise
 $28 + 24x = 49 + 17x$

3) Let $x = \#$ of hrs
 $25x + 1250 = 2500$

4) Let $x = \#$ lbs of coffee
 $8.46x + 35.36 = 70$

5) Let $x = \#$ of minutes
 $34.99 + 0.59x = 148.86$

6) Let $x = \#$ of minutes
 $19.95 + 0.55x = 95.30$

7) Let $x = \#$ of people
 $40 + 27.50x = 370$

8)

$P = 104$
length
width
x

 $length = 4x + 2$
width = 10 ft
length = 42 ft
 $P = 2l + 2w$
 $4(10) + 2$ $104 = 2(4x + 2) + 2x$
 42 $104 = 8x + 4 + 2x$
 $104 = 10x + 4$
 -4 -4
 $100 = 10x$
 10 10
 $10 = x$

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68

9.) let 1st # = x = 17 ^{answer}
2nd # = $3x - 6$ = 45

$$1x + 3x - 6 = 62$$

$$4x - 6 = 62$$

$$\begin{array}{r} +6 +6 \\ \hline 4x = 68 \\ \hline x = 17 \end{array}$$

$$x = 17$$

$$3(17) - 6$$

$$51 - 6$$

$$45$$