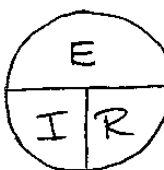
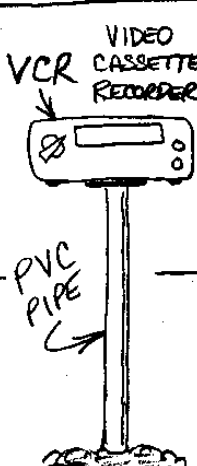
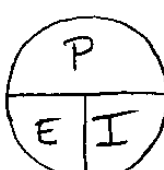
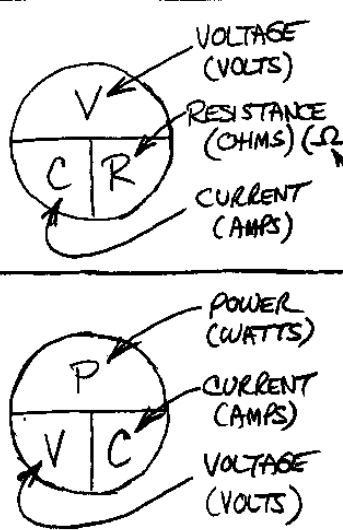


HANDY SUPPLEMENT FOR HAM TEST SUBELEMENT T4  
 BY BOB GONSETT - (760) 723-2700 - MAY '07

FORMULA	WAVELENGTH	HAM FREQUENCY LIMITS
$f_{\text{MHz}} = \frac{300}{\lambda}$ <p>↑ METERS                  ↑ WAVELENGTH</p>	6 METERS 2 METERS 70 CENTIMETERS	50-54 MHz 144-148 MHz 420-450 MHz

GREEK LETTER LAMBDA

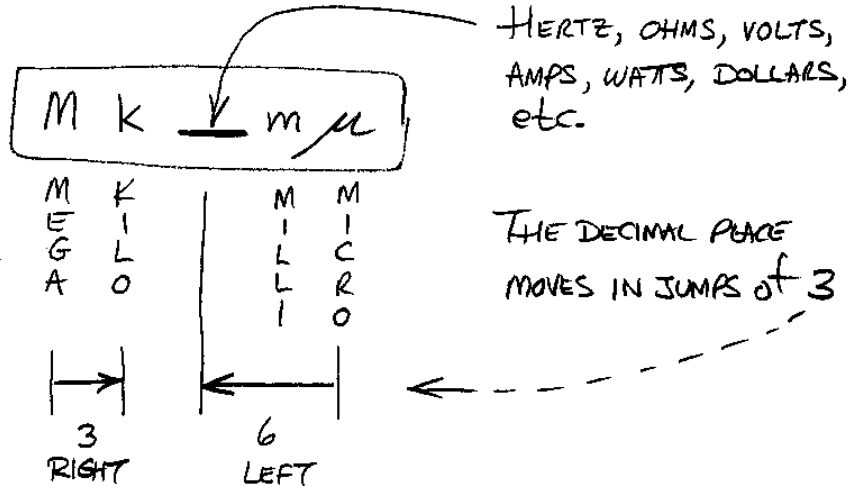
ENGINEERS' FORMULAS	ARRL SHORTCUT	THE EASY WAY
$E = IR$ $I = E/R$ $R = E/I$		
$P = EI$ $E = P/I$ $I = P/E$		

GREEK LETTER OMEGA (FOR OHMS)

GREEK LETTER MU

TERA (T)	1,000,000,000,000	$= 10^{12}$
GIGA (G)	1,000,000,000	$= 10^9$
MEGA (M)	1,000,000	$= 10^6$
KILO (K)	1,000	$= 10^3$
LOWER CASE (k)	1	$= 10^0$
MILLI (m)	0.001	$= 10^{-3}$
MICRO (μ)	0.000001	$= 10^{-6}$
NANO (n)	0.000000001	$= 10^{-9}$
PICO (p)	0.000000000001	$= 10^{-12}$

# MAKE A MU



## EXAMPLES:

$$3 \text{ MHz} = \underline{\hspace{2cm}} \text{ kHz}$$

MOVE DECIMAL 3 PLACES TO THE RIGHT

ANSWER: 3000 kHz

$$1 \text{ MICROVOLT} = \underline{\hspace{2cm}} \text{ VOLTS}$$

MOVE DECIMAL 6 PLACES TO THE LEFT

ANSWER: .000001 VOLTS

$$1,500,000 \text{ Hz} = \underline{\hspace{2cm}} \text{ kHz}$$

MOVE DECIMAL 3 PLACES TO THE LEFT

1500 kHz (OR 1.5 MHz)

$$56 \text{ MILLIWATTS} = \underline{\hspace{2cm}} \text{ WATTS}$$

MOVE DECIMAL 3 PLACES TO THE LEFT

.056 WATTS