Algebraic Manipulation (27:39)

Evaluate the expression $I = \frac{V}{R}$ given R = 240 Ω and V = 14.3V. Express the answer using proper engineering format rounded to the tenths place.

Given $I = \frac{V}{R}$ solve for unknown V given known R and I values.

Given $I = \frac{V}{R}$ solve for unknown R given known V and I values.

Given P = VI solve for unknown V given known P and I values.

Given P = VI solve for unknown I given known P and V values.

Solve for the indicated unknown quantities using the indicated known quantities.

V=IR	KNOWN	J
1= <u>V</u>	UN KNOMN KNOMN	P K
R= ÷ P= VI	Kalowa Kalowa Dia Kalowa	T P R
レートエ	KNOWN	r r
$I = \frac{P}{V}$	Кырчы Он Карчы	I
P+U R	Карнал Карнал Сы карына	r K V
P=I ² R		*

Solve for the indicated unknown quantities using the indicated known quantities.

Prech = T.n 9.55	() KNOWN Prece KNOWN N UNKNOWN T	EFFICIENCY = POUT S KNOWN EFFICIENCY P.W KNOWN P.W UNKNOWN POUT
	KNOWN PHECH	אטטאע EFFICIENCY אטטאע Post טאראטעע Pin
$ \frac{T_{i}}{T_{2}} = \frac{\Lambda_{E}}{n_{i}} $ $ \frac{\Im}{V_{N}} = \frac{\Lambda_{E}}{n_{i}} $ $ \frac{\Lambda_{E}$	X = 2TT-FL @ KNOWN XL KNOWN L UN KNOWN L	
	X _c = 1 (KNOWN X _c KNOWN F UNKNOWN C	
	$A = TT r^{2} $	
		() KNOWN A UNKNOWN A

Identify practical applications for algebraic manipulation.