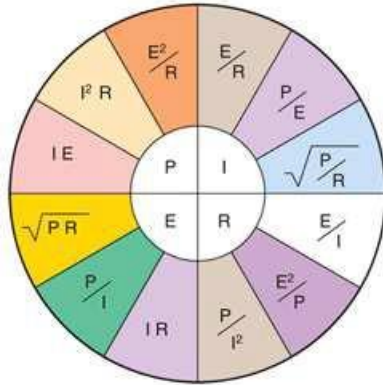


# Instrumentation Formulas

For use with the following assessments:

- Instrumentation Fitter
- Instrumentation Technician
- Industrial Maintenance Electrical & Instrumentation Technician

## Power Formulas



## Resistance Formulas

$$TR = R1 + R2 + R3...$$

$$TR = \frac{1}{(1/R1) + (1/R2) + (1/R3)}$$

## Temperature Formulas

$$^{\circ}\text{C} = \frac{5}{9} (^{\circ}\text{F} - 32)$$

$$^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32$$

## Pressure Formulas

$$\text{“H}_2\text{O} = \text{PSI} \times 27.68$$

$$\text{PSIA} = \text{PSIG} + 14.7 \text{ PSI}$$

$$\text{Absolute vacuum pressure} = \text{Barometric pressure} - \text{vacuum gauge reading}$$

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