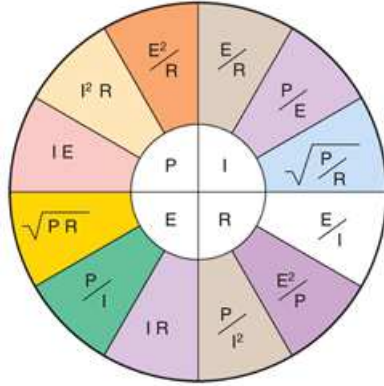


# Instrumentation Formulas

For use with the Instrumentation Fitter V4 assessment

## Power Formulas



## Resistance Formulas

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

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

## Temperature Formulas

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

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

## Pressure Formulas

$$\text{PSI} = 2.77 \text{ 'H}_2\text{O}$$

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

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

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