



# Massachusetts Comprehensive Assessment System Technology/Engineering Formula Sheet

## Formulas

$$V = I \times R$$

$$\text{Pressure} = \frac{\text{Force}}{\text{Area}}$$

$$P = I \times V$$

$$\text{Area of a circle} = \pi r^2$$

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## Variables

I = current

r = radius

P = power

R = resistance

V = voltage

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## Definitions and Abbreviations

AC = alternating current

psi = pounds per square inch

DC = direct current

$\pi \approx 3.14$