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TX PACT: TECHNOLOGY EDUCATION: GRADES 6–12 FORMULAS

Description	Formula
Area of a circle	$A = \pi r^2$
Area of a triangle	$A = \frac{1}{2}bh$
Volume of a rectangular solid	$V = \ell \cdot w \cdot h$
Volume of a cylinder	$V = \pi r^2 h$
Volume of a sphere	$V = \frac{4}{3}\pi r^3$
Pythagorean theorem	$a^2 + b^2 = c^2$
Board feet	$\frac{\ell \text{ in} \cdot w \text{ in} \cdot h \text{ in}}{144 \text{ in}^3}$
Ohm's law	$V = IR$
Watts	watts = volts • amps