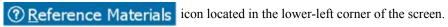
This reference material will also be available to you during the exam. To access it, click on the



## TX PACT: TECHNOLOGY EDUCATION: GRADES 6-12 FORMULAS

Description	Formula
Area of a circle	$A = \pi r^2$
Area of a triangle	$A = \pi r$ $A = \frac{1}{2}bh$ $V = \ell \cdot w \cdot h$ $V = \pi r^{2}h$ $V = \frac{4}{3}\pi r^{3}$ $a^{2} + b^{2} = c^{2}$
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	$\frac{\ell \operatorname{in} \bullet w \operatorname{in} \bullet h \operatorname{in}}{144 \operatorname{in}^3}$
Ohm's law	V = IR
Watts	watts = volts • amps