| Formula | Translation |
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| $A = \pi r^2$ | The area of a circle equals $\pi$ times the radius squared. |
| $C = \pi d$ | The circumference of a circle equals $\pi$ times the diameter. |
| $A = lw$ | The area of a rectangle equals the length times the width. |
| $d = rt$ | The distance traveled equals the rate multiplied by the time. |
| $I = prt$ | Simple interest earned equals the principal times the rate times the time. |
| $A = P\left(1 + \frac{r}{n}\right)^{nt}$ | The amount resulting from compounding interest equals the principal times the sum of 1 and the quotient of the rate of interest divided by the number of times compounded each year, all raised to the product of the number of times compounded times the term (number of years). |
| $F = \left(\frac{9}{5}\right)C + 32$ | The temperature in degrees Fahrenheit equals $\frac{9}{5}$ times the degrees Celsius plus 32. |
| $a^2 + b^2 = c^2$ | The Pythagorean theorem shows the relationship between the sides of a right triangle. The longest side, $c$, is always opposite the right angle. Sides $a$ and $b$ are the other two sides. |
| $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ | The solutions of a quadratic equation, $ax^2 + bx + c = 0$ are found by substituting the values of $a$, $b$, and $c$ into the formula. |