ALGEBRA I FORMULA SHEET

Formulas that you may need to solve questions on this exam are found below. You may use calculator π or the number 3.14.



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is compounded per year

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Angle measure is represented by x. Arc measure is represented by m and n. Lengths are given by a, b, c, and d.



aCPythagorean Theorem:bIf a right triangle has legs with
measures a and b and hypotenuse
with measure c, then... $a^2 + b^2 = c^2$



Coordinate Geometry Properties

Distance Formula: $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$ Midpoint: $\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right)$ Slope: $m = \frac{y_2 - y_1}{x_2 - x_1}$ Point-Slope Formula: $(y - y_1) = m(x - x_1)$ Slope Intercept Formula: y = mx + bStandard Equation of a Line: Ax + By = C

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