

STAAR ALGEBRA I REFERENCE MATERIALS



GENERAL FORMULAS

Slope of a line

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

Pythagorean theorem

$$a^2 + b^2 = c^2$$

Quadratic formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

FORMS OF LINEAR EQUATIONS

Slope-intercept form

$$y = mx + b$$

Point-slope form

$$y - y_1 = m(x - x_1)$$

Standard form

$$Ax + By = C$$

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To download a free, complete version of the STAAR Algebra I Reference Materials, visit www.tea.state.tx.us/student.assessment/staar/.

Provide students with a durable reference chart for year-round use, so that they can fully understand what material is provided on the charts and how to use it to solve problems.

Teacher's Tip

Give your students a little extra motivation to hang on to their reference charts during the school year. Tell your students, "If you have your reference chart on class test days, then you may use it during my tests. If you do not have your reference chart ... (too bad)."