

## 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  $Ax + By = C$