# Grade 7 FAST—Brain Dump Suggestions

## Coordinates
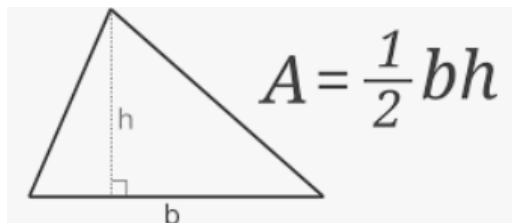
$( x , y )$

## Area of a Triangle



$$A = \frac{1}{2}bh$$

## Laws of Exponents

$$a^m \cdot a^n = a^{m+n} \qquad (a^m)^n = a^{m \cdot n}$$

$$\frac{a^m}{a^n} = a^{m-n} \qquad a^0 = 1$$

## Inequalities and Graphing Inequalities

| > | Greater Than | | < | Less Than | |
|---|---|---|---|---|---|

$\geq$  Greater Than or Equal To

$\leq$  Less Than or Equal to

**Inequality sign flips when × or ÷ by a negative number**

## Unit Rate

$$\frac{y}{x}$$

## Proportional Relationship Equations (ways to write)

$$y = kx \qquad\qquad y = px \qquad\qquad y = mx$$

textbook form          benchmark form          slope form