

SAT Math Equations

December 28, 2024

Contents

1	Quadratics	2
1.1	Quadratic Formula	2
1.2	Discriminant	2
1.3	Vertex	2
1.4	Factoring	2
1.4.1	Aquarc Method	2
1.5	FOIL	2
2	Sets	2
2.1	Domain and Range	2
2.2	Standard Deviation	2
3	Word Problems	2

1 Quadratics

A quadratic is a function in the form

$$f(x) = ax^2 + bx + c$$

Where $a, b, c \in \mathbb{R}$.

1.1 Quadratic Formula

1.2 Discriminant

1.3 Vertex

1.4 Factoring

You can use the two equations to do it

1.4.1 Aquarc Method

The fancy X thing

1.5 FOIL

2 Sets

2.1 Domain and Range

2.2 Standard Deviation

3 Word Problems

You can't really predict what these will be. For