**Course: Algebra I**

**Topic: Semester A Exam Review: Part 3**

**Subtopics: Solving two-step equations, Describing solutions to linear systems, and Solving absolute value equations.**

**Document: LIVE Stream 1**

**Reference Number: 1949-12**

*https://youtube.com/c/MrMattTheTutor*



1. Solve the following equations for the missing variable:
	1. $3A+5=14$
	2. $2\left(4A-6\right)=20$
	3. $\frac{1}{2}A+\frac{1}{4}A=12$
2. How many solutions are there to the following systems of equations:
	1. $Y=2x+3 and Y=x-3$
	2. $Y=6x+1 and 2Y=12x+2$
	3. $Y=6x+1 and 2Y=12x+4$
3. Solve the following absolute value equation for the missing variable:
	1. $2\left|4X+6\right|=40$
	2. $3\left|2X+8\right|=60$
4. Solve the following equations for the missing variable:
	1. $4\left(2X+1\right)=2(5X-2)$
	2. $-3\left(2X+2\right)=6(X-2)$
	3. $\frac{2}{3}X-\frac{1}{9}X=25$
5. Solve the following absolute value equation for the missing variable:
	1. $9\left|3X+3\right|=27$
	2. $12\left|5X-10\right|=480$