**Course: PreAlgebra**

**Topic: Semester A Exam Review: Part 1**

**Subtopic: Evaluating expressions; Evaluating absolute values; Using the order of operations**

**Document: LIVE Stream 1**

**Reference Number: 1849-4**

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



1. Evaluate the following expressions:
	1. $3X+2Y-Z when X=5, Y=4, and Z=8$
	2. $2\left(3X-Y\right)+4Z when X=4, Y=3, and Z=2$
2. Evaluate the following absolute values:
	1. $\left|-6+3\right|$
	2. $\left|-6-3\right|$
3. Simplify the following expressions using the order of operations:
	1. $3\left(2×5-4\right)+6$
	2. $(16-3^{2}×2)^{2}$
4. Evaluate the following expressions:
	1. $\left(4M-2\right)3-5N when M=5 and N=3$
	2. $9M-2M\left(7-4\right)+3\left(4N-N\right) when M=3 and N=2$
5. Evaluate the following absolute values:
	1. $\left|4-9\right|-\left|2-7\right|$
	2. $\left|-8+3\right|-5$
6. Simplify the following expressions using the order of operations:
	1. $(20-4^{2})^{2}-(14-9)^{2}$
	2. $\left(3×2+10×3\right)-(6×4-5×3)$
7. Evaluate the following expressions:
	1. $5\left(3A+2B\right)-2\left(2A-3B\right) when A=3 and B=4$
	2. $6A-3B+3A+9B when A=5 and B=3$