Exam Review #2- Unit 6: Systems of Equations Algebra 1 Kitt

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**Unit 6 Systems of Equations**

**Part 1: Graphing Systems of Equations**

**Directions**: *Graph each system of equations. Describe the solution.*

1. $ \begin{matrix}y=\frac{-1}{2}x-1\\y=\frac{1}{4}x-4\end{matrix}$2. $\begin{matrix}2x+y=2\\y=-2x-2\end{matrix}$ 3. $\begin{matrix}y=\frac{1}{3}x+5\\-1x+3y=15\end{matrix}$
2. $ y=\frac{1}{2}x+1$ 5. $y=-3x+5$

$y=\frac{-1}{4}x+4$ $3x+y=5$

**Part 2: Elimination**

**Directions**: *Solve each system of equations using elimination. Write your solution as an ordered pair* $(x,y)$*.*

1.  7.  8. $\begin{matrix}x+y=5\\x-y=3\end{matrix}$

9. $\begin{matrix}2x+3y=-6\\-2x-4y=-6\end{matrix}$ 10. $\begin{matrix}8x+y=-16\\3x-y=5\end{matrix}$ 11. $\begin{matrix}-4x-2y=-12\\4z+8y=24\end{matrix}$