Algebra RH
Essential Question: How do we solve a linear system algebraically?
Do Now: Solve the following linear system graphically.
$-x+y=1$
$2 x+y=-2$


Solve the linear system from the Do Now algebraically.

Examples: Use the substitution method to solve the following linear systems. Don't forget to check!

1. $2 x+2 y=3$
$x-4 y=-1$
2. $2 a+4 b=10$
$3 a-b=1$
3. $y=3 x+4$
$y=2 x-9$

Solve the following systems algebraically using the substitution method. Check your solution.

1. $y=2 x$
$5 x-y=30$
2. $m=4 n$
$3 m-2 n=20$
3. $3 n+5 m=7$
$m-4 n=6$
4. $3 y-x=-9$
$2 y+5 x=11$
5. $3 x+2 y=11$
$x-2=-4 y$
6. $\frac{1}{2} y-x=1$
$x+y+7=0$
