$\qquad$ Period $\qquad$

## Solve each system by graphing.

1) $y=-x+2$

$$
y=2 x-1
$$


2) $3-y=0$
$-9=-18 x+3 y$


## Solve each system by substitution.

3) $y=-3 x-7$
$3 x+2 y=-8$
4) $\begin{aligned} & x-y=-6 \\ & 4 x+4 y=0\end{aligned}$

## Solve each system by elimination.

5) $-2 x+2 y=-8$
$2 x+2 y=-4$
6) $4 x-2 y=4$
$8 x+3 y=-6$
7) Natalie and Krystal each improved their yards by planting rose bushes and geraniums. They bought their supplies from the same store. Natalie spent $\$ 101$ on 5 rose bushes and 6 geraniums. Krystal spent $\$ 68$ on 5 rose bushes and 3 geraniums. What is the cost of one rose bush and the cost of one geranium?
8) NOTE: Set up the linear system. DO NOT SOLVE Mike and Aliyah are selling cookie dough for a school fundraiser. Customers can buy packages of sugar cookie dough and packages of gingerbread cookie dough. Mike sold 6 packages of sugar cookie dough and 5 packages of gingerbread cookie dough for a total of $\$ 115$. Aliyah sold 1 package of sugar cookie dough and 1 package of gingerbread cookie dough for a total of $\$ 21$. Find the cost each of one package of sugar cookie dough and one package of gingerbread cookie dough.

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U2 SG Systens of Linear Equations
Date $\qquad$ Period $\qquad$

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$(1,3)$
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Solve each system by substitution.
3) $y=-3 x-7$
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$(-2,-1)$
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$4 x+4 y=0$
$(-3,3)$

## Solve each system by elimination.

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rose bush: $\$ 7$, geranium: $\$ 11$
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package of sugar cookie dough: $\$ 10$, package of gingerbread cookie dough: \$11
