## 5.1 and 5.2 Quiz Review

Cost/Revenue and Break Even Points
Cost/Revenue Tables and Coordinate Points. Complete the table below to find the break even point
$C=36 x+200$
$R=76 x$

| $x$ |  | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| C |  |  |  |  |  |  |  |  |
| R |  |  |  |  |  |  |  |  |

$$
C=25 x+210
$$

$$
R=60 x
$$

| $\boldsymbol{x}$ | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\boldsymbol{C}$ |  |  |  |  |  |  |  |  |  |
| $\boldsymbol{R}$ |  |  |  |  |  |  |  |  |  |

Solve The system of equations with a Graph

$$
\begin{aligned}
& y=6 x-3 \\
& \quad-4 x+y=-1
\end{aligned}
$$



## Solve each system by graphing.


3) $y=-\frac{1}{2} x+2$

$$
y=\frac{5}{2} x-4
$$



$$
\text { 2) } \begin{aligned}
y & =-2 x+4 \\
y & =x+1
\end{aligned}
$$


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

$$
y=-2 x-2
$$



## Solve with Substitution

## Easy

$$
\begin{gathered}
y=-x-1 \\
2 x+y=1
\end{gathered}
$$

[^0]
## Check

$1^{\text {st }}$ equation
## Solve with Substitution

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

Solution $\qquad$

Check $1^{\text {st }}$ equation
$2^{\text {nd }}$ equation

## Re-Write an equation First

$$
\begin{array}{r}
7 x-2 y=5 \\
2 y-4 x=-8
\end{array}
$$

Solution

## Check

$1^{\text {st }}$ equation

## $2^{\text {nd }}$ equation

Re-Write an equation First

$$
\begin{aligned}
& x+7 y=-14 \\
& -3 x+8 y=13
\end{aligned}
$$

Solution

Check


[^0]:    Solution

