## Bell Work



Please get out your assignment from yesterday.
3. $\left\{\begin{array}{l}y=x+4 \\ y=-2 x+1\end{array} \quad\right.$ Solution:

4. $\left\{\begin{array}{l}y=x+6 \\ y=-3 x+6\end{array}\right.$

Solution:

5. Maryann and Carlos are each saving for new scooters. So far, Maryann has $\$ 9$ saved. and can earn $\$ 6$ per hour babysitting Carlos has $\$ 3$ saved, and can earn $\$ 9$ per hour working at his family's restaurant. After how many hours of work will Maryann and Carlos have saved the same amount? What will that amount be?

2 hours, $\$ 21$
$\begin{aligned} \text { Maryann } \rightarrow y & =6 x+9 \\ (\operatorname{arl} \Delta \rightarrow y & =9 x+3\end{aligned}$


1. $(6,-2) ;\left\{\begin{array}{l}2 x-y=14 \\ x+4 y=-2\end{array}\right.$

2. $(4,0) ;\left\{\begin{array}{l}x-2 y=4 \\ -x+y=-8\end{array}\right.$
$(L)-2(0)=4 V$
$L-O=L / V$
$-4+0=-8$
$-4=-8$
NO
3. $(-6,-2) ;\left\{\begin{array}{l}2 x-y=-10 \\ -x+y=4\end{array}\right.$

4. $\left\{\begin{array}{l}y=2 x+4 \\ y=-x+7\end{array}\right.$


Solution: $(1,6)$
5. $\left\{\begin{array}{l}y=2 x-6 \\ y=3 x-8\end{array}\right.$


Solution: $\left.(2)^{\prime \prime 2}\right)$
6. $\left\{\begin{array}{l}x+y=-2 \\ y=4 x-7\end{array}\right.$



Solution: $(2-3)$

$$
\begin{aligned}
& \text { 7. }\left\{\begin{array}{l}
x=y+2 \\
2 x=y
\end{array} \longrightarrow y=2 x+0\right. \\
& \begin{array}{c}
x=y+8 \\
-2
\end{array} \\
& x-2=y \\
& y=x-2
\end{aligned}
$$

