## Linear Systems (J)

Solve each system of equations.

1. $\begin{aligned} & 6 b+3 x=12 \\ & 2 b-2 x=4\end{aligned}$ $2 b-2 x=4$
2. $-b+u=-5$
$-b-4 u=5$
3. $\begin{aligned} & -2 x+6 y=-12 \\ & x-y=2\end{aligned}$
4. $\begin{aligned} & -4 a-6 u=6 \\ & a-5 u=18\end{aligned}$
5. $-6 c+5 x=-2$
$2 c+5 x=-26$
6. $-5 a-z=14$
7. $\begin{aligned}-2 b+z & =-6 \\ -4 b+z & =-6\end{aligned}$
8. $3 a+3 x=-6$
$-4 a-2 x=6$

## Linear Systems (J) Answers

Solve each system of equations.

1. $\begin{aligned} 6 b+3 x & =12 \\ 2 b-2 x & =4 \\ b=2, x & =0\end{aligned}$
2. $\begin{gathered}-b+u=-5 \\ -b-4 u=5 \\ b=3, u=-2\end{gathered}$
3. $-2 x+6 y=-12$
$x-y=2$
$x=0, y=-2$
4. $\begin{aligned} & -6 c+5 x=-2 \\ & 2 c+5 x=-26 \\ & c=-3 x=-4\end{aligned}$ $c=-3, x=-4$
5. $-5 a-z=14$ $a+3 z=0$ $a=-3, z=1$
6. $-2 b+z=-6$

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-4 b+z=-6
$$

$$
b=0, z=-6
$$

8. $3 a+3 x=-6$
$-4 a-2 x=6$
$a=-1, x=-1$
