Determine the Solution Set to a Linear Function by The Slope Method
Given: 2C-4D = 4 Determine Solutin Set! Solve Given Equation (C,D)

$$
2 C-4 D=+4 \quad-4 D=-2 C+4 D=+1 / 2 C-1
$$

Now: $D=m C+b \quad$ therefore $\quad m=+1 / 2$ and $b=-1$
Place a triangle with a rise $=1$ and run $=2$ with a $(+)$ Slope on the $\mathbf{D}$ axis at -1


Check Solution Set with Arbitary Point: $C=-2$ then $D=$ ?
Substitue $C=-2$ into Linear Function and Solve for $D=-1 / 2$

$$
2 C-4 D=+4 \quad+2(-2)-4 D=+4 \quad-4 D=+8 \quad D=-2
$$

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Determine the Solution Set to a Linear Function by The Slope Method
Given: $+\mathbf{2 W}+\mathbf{3 Z}=\mathbf{- 6}$ Determine Solutin Set! Solve Given Equation (W,Z)

$$
\begin{aligned}
+2 W+3 Z & =-6 \\
\text { Now: } Z=m W+b & +3 Z=-2 W+4 \quad \begin{array}{l}
Z=-2 / 3 W \\
\text { therefore } \quad m=-2 / 3
\end{array} \quad \text { and } b=-2
\end{aligned}
$$

Place a triangle with a rise $=2$ and run $=3$ with a ( - ) Slope on the $\mathbf{Z}$ axis at $\mathbf{- 2}$


Check Solution Set with Arbitary Point: $W=-1$ then $Z=$ ?
Substitue $W=-1$ into Linear Function and Solve for $Z=-4 / 3$ $+2 W+3 Z=-6 \quad+2(-1)+3 Z=-6 \quad+3 Z=-4 \quad Z=-4 / 3$

