

#####

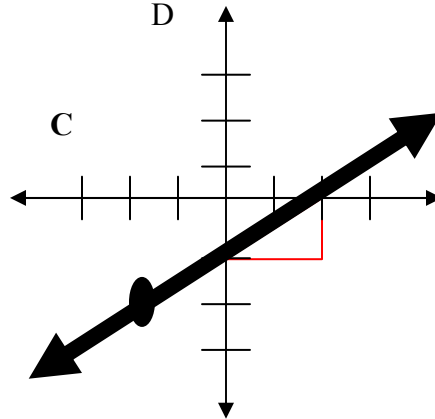
Determine the Solution Set to a Linear Function by The Slope Method

Given: $2C - 4D = 4$ Determine Solution Set! Solve Given Equation (C,D)

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

Now: $D = mC + b$ therefore $m = +1/2$ and $b = -1$

Place a triangle with a rise = 1 and run = 2 with a (+) Slope on the D axis at -1



Check Solution Set with Arbitrary Point: $C = -2$ then $D = ?$

Substitute $C = -2$ into Linear Function and Solve for $D = -1/2$

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

#####

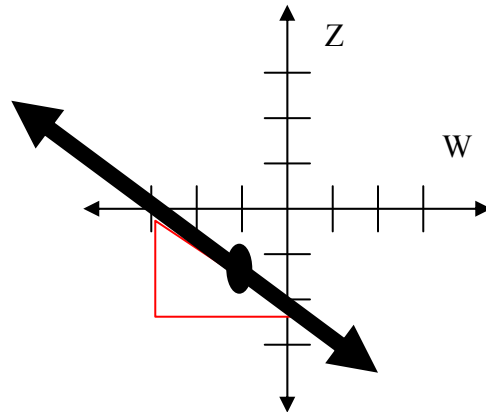
Determine the Solution Set to a Linear Function by The Slope Method

Given: $+2W + 3Z = -6$ Determine Solution Set! Solve Given Equation (W,Z)

$$+2W + 3Z = -6 \quad +3Z = -2W - 6 \quad Z = -2/3W - 2$$

Now: $Z = mW + b$ therefore $m = -2/3$ and $b = -2$

Place a triangle with a rise = 2 and run = 3 with a (-) Slope on the Z axis at -2



Check Solution Set with Arbitrary Point: $W = -1$ then $Z = ?$

Substitute $W = -1$ into Linear Function and Solve for $Z = -4/3$

$$+2W + 3Z = -6 \quad +2(-1) + 3Z = -6 \quad +3Z = -4 \quad Z = -4/3$$

#####