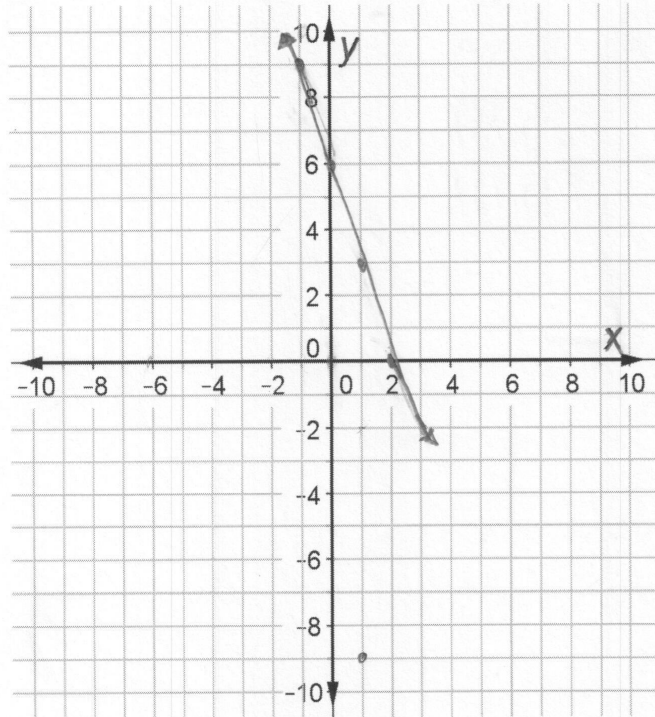


Graph the function $g(x) = -3x + 6$



X	Y
-1	9
0	6
1	3
2	0
3	-3

$-3 \cdot -1 + 6 = 3 + 6 = 9$
 $-3 \cdot 0 + 6 = 0 + 6 = 6$
 $-3 \cdot 1 + 6 = -3 + 6 = 3$
 $-3 \cdot 2 + 6 = -6 + 6 = 0$
 $-3 \cdot 3 + 6 = -9 + 6 = -3$
 $-3 \cdot 4 + 6 = -12 + 6 = -6$
 $-3 \cdot 5 + 6 = -15 + 6 = -9$
 $-3 \cdot 6 + 6 = -18 + 6 = -12$

- 1) Identify and label the x -intercept and y -intercept of the function.

x -intercept; (2,0)

y -intercept; (0,6)

- 2) What is the minimum of this function over the interval $\{x \mid -5 \leq x \leq 5\}$?

-9

- 3) What is the maximum of this function over the interval $\{x \mid -5 \leq x \leq 5\}$?

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