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**Materia: calculo**

**Grado: cuarto semestre**

**Grupo: A4**

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$$f(x) = 2x + 8$$

X	3	2	1	0	-1	-2	-3
f(x)	14	12	10	8	6	4	2

$$\begin{aligned} f(3) &= 2(3) + 8 = \\ f(3) &= 6 + 8 = \\ f(3) &= 14 \end{aligned}$$

$$\begin{aligned} f(2) &= 2(2) + 8 = \\ f(2) &= 4 + 8 = \\ f(2) &= 12 \end{aligned}$$

$$\begin{aligned} f(1) &= 2(1) + 8 = \\ f(1) &= 2 + 8 = \\ f(1) &= 10 \end{aligned}$$

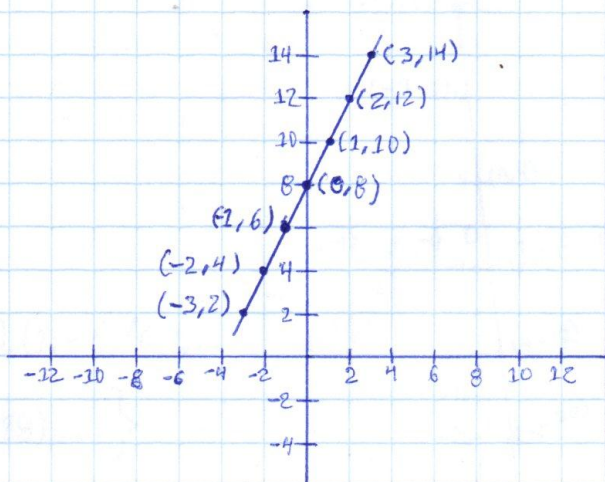
$$\begin{aligned} f(0) &= 2(0) + 8 = \\ f(0) &= 0 + 8 = \\ f(0) &= 8 \end{aligned}$$

$$\begin{aligned} f(-1) &= 2(-1) + 8 = \\ f(-1) &= -2 + 8 = \\ f(-1) &= 6 \end{aligned}$$

$$\begin{aligned} f(-2) &= 2(-2) + 8 = \\ f(-2) &= -4 + 8 = \\ f(-2) &= 4 \end{aligned}$$

$$\begin{aligned} f(-3) &= 2(-3) + 8 = \\ f(-3) &= -6 + 8 = \\ f(-3) &= 2 \end{aligned}$$

$$f(x) = \{(3, 14), (2, 12), (1, 10), (0, 8), (-1, 6), \dots \\ \dots (-2, 4), (-3, 2) \dots\}$$



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$$f(x) = 4 - 8x$$

x	3	2	1	0	-1	-2	-3
f(x)	-20	-12	-4	4	12	20	28

$$\begin{aligned} f(3) &= 4 - 8(3) = \\ f(3) &= 4 - 24 \\ f(3) &= -20 \end{aligned}$$

$$\begin{aligned} f(2) &= 4 - 8(2) = \\ f(2) &= 4 - 16 = \\ f(2) &= -12 \end{aligned}$$

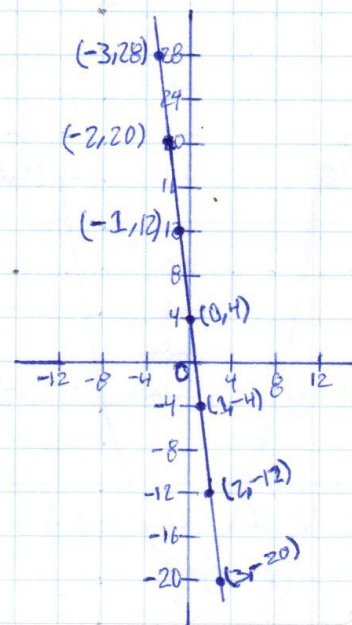
$$\begin{aligned} f(1) &= 4 - 8(1) = \\ f(1) &= 4 - 8 = \\ f(1) &= -4 \end{aligned}$$

$$\begin{aligned} f(0) &= 4 - 8(0) = \\ f(0) &= 4 - 0 \\ f(0) &= 4 \end{aligned}$$

$$\begin{aligned} f(-1) &= 4 - 8(-1) = \\ f(-1) &= 4 + 8 = \\ f(-1) &= 12 \end{aligned}$$

$$\begin{aligned} f(-2) &= 4 - 8(-2) = \\ f(-2) &= 4 + 16 = \\ f(-2) &= 20 \end{aligned}$$

$$\begin{aligned} f(-3) &= 4 - 8(-3) = \\ f(-3) &= 4 + 24 = \\ f(-3) &= 28 \end{aligned}$$



$$f(x) = \left\{ (3, -20), (2, -12), (1, -4), (0, 4), \dots \right. \\ \left. \dots (-1, 12), (-2, 20), (-3, 28) \dots \right\}$$

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$$f(x) = x^2 - 8$$

x	3	2	1	0	-1	-2	-3
f(x)	1	-4	-7	-8	-7	-4	1

$$f(3) = (3)^2 - 8 =$$

$$f(3) = 9 - 8 =$$

$$f(3) = 1$$

$$f(2) = (2)^2 - 8 =$$

$$f(2) = 4 - 8 =$$

$$f(2) = -4$$

$$f(1) = (1)^2 - 8 =$$

$$f(1) = 1 - 8 =$$

$$f(1) = -7$$

$$f(0) = (0)^2 - 8 =$$

$$f(0) = 0 - 8$$

$$f(0) = -8$$

$$f(-1) = (-1)^2 - 8 =$$

$$f(-1) = 1 - 8 =$$

$$f(-1) = -7$$

$$f(-2) = (-2)^2 - 8 =$$

$$f(-2) = 4 - 8 =$$

$$f(-2) = -4$$

$$f(-3) = (-3)^2 - 8 =$$

$$f(-3) = 9 - 8 =$$

$$f(-3) = 1$$

$$f(x) = \left\{ (3, 1), (2, -4), (1, -7), (0, -8), \dots \right. \\ \left. \dots (-1, -7), (-2, -4), (-3, 1) \dots \right\}$$

