**Nombre de alumnos: Alejandra Selina López Argueta**

**Nombre del profesor: Jorge Enrique Albores**

**Nombre del trabajo: ejercicios**

**Materia: calculo**

**Grado: cuarto semestre**

**Grupo: A4**

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Alejandra Selina López Argueta

$f(x) = 2x + 8$

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

$f(3) = 2(3) + 8 =$
$f(3) = 6 + 8 =$
$f(3) = 14$

$f(2) = 2(2) + 8 =$
$f(2) = 4 + 8 =$
$f(2) = 12$

$f(1) = 2(1) + 8 =$
$f(1) = 2 + 8 =$
$f(1) = 10$

$f(0) = 2(0) + 8 =$
$f(0) = 0 + 8 =$
$f(0) = 8$

$f(-1) = 2(-1) + 8 =$
$f(-1) = -2 + 8$
$f(-1) = 6$

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

$f(-3) = 2(-3) + 8 =$
$f(-3) = -6 + 8 =$
$f(-3) = 2$

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

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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 |

$f(3) = 4 - 8(3) =$
$f(3) = 4 - 24$
$f(3) = -20$

$f(2) = 4 - 8(2) =$
$f(2) = 4 - 16 =$
$f(2) = -12$

$f(1) = 4 - 8(1) =$
$f(1) = 4 - 8 =$
$f(1) = -4$

$f(0) = 4 - 8(0) =$
$f(0) = 4 - 0$
$f(0) = 4$

$f(-1) = 4 - 8(-1) =$
$f(-1) = 4 + 8 =$
$f(-1) = 12$

$f(-2) = 4 - 8(-2) =$
$f(-2) = 4 + 16 =$
$f(-2) = 20$

$f(-3) = 4 - 8(-3) =$
$f(-3) = 4 + 24 =$
$f(-3) = 28$

$f(x) = \{(3, -20), (2, -12), (1, -4), (0, 4) \ldots$

$\ldots (-1, 12), (-2, 20), (-3, 28) \ldots \}$

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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 |

$f(3) = (3)^2 - 8 =$
$f(3) = 9 - 8 =$
$f(3) = \underline{1}$

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

$f(1) = (1)^2 - 8 =$
$f(1) = 1 - 8 =$
$f(1) = -7$

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

$f(-1) = (-1)^2 - 8 =$
$f(-1) = 1 - 8 =$
$f(-1) = -7$

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

$f(-3) = (-3)^2 - 8 =$
$f(-3) = 9 - 8 =$
$f(-3) = 1$

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