

Nombre: \_\_\_\_\_

**Álgebra Intermedia**

**Examen # 1: Gráficas de ecuaciones básicas.**

Fecha: \_\_\_\_\_

**Mr. Colón**

**Instrucciones Generales:**

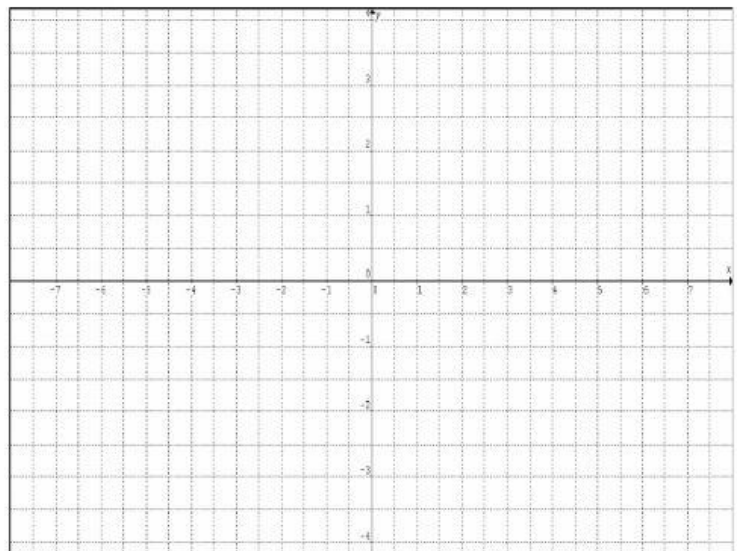
1. **Puede imprimir** esta parte del examen, contestarlo y enviar las fotos por el Classroom.
2. **De no poder imprimir** el examen entonces utilizando papel cuadriculado construya un plano cartesiano, tabla de valores según el examen y construya la gráfica.

**I. Trace la gráfica de las siguientes ecuaciones.**

1.  $y = |x + 2| + 2$

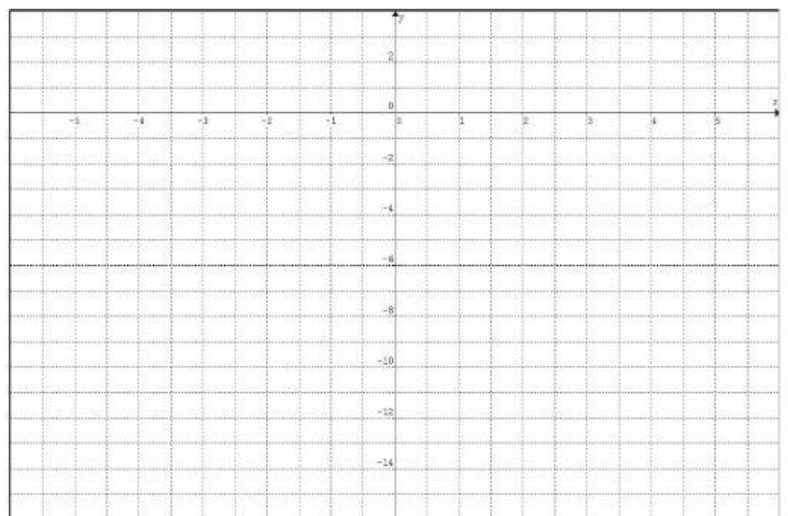
Vértice: (   ,   )

| x | $y =  x + 2  + 2$ | y | (x , y) |
|---|-------------------|---|---------|
|   |                   |   |         |
|   |                   |   |         |
|   |                   |   |         |
|   |                   |   |         |
|   |                   |   |         |



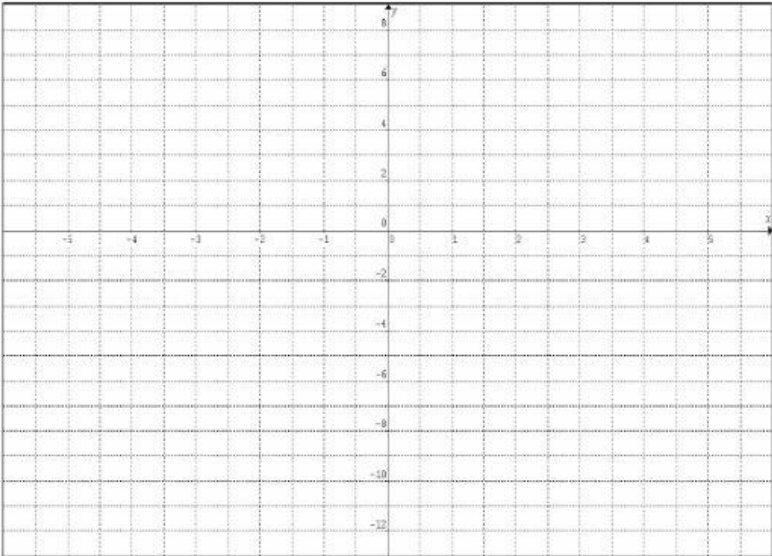
2.  $y = -x^2 - 2$

| x | $y = -x^2 - 2$ | y | (x , y) |
|---|----------------|---|---------|
|   |                |   |         |
|   |                |   |         |
|   |                |   |         |
|   |                |   |         |
|   |                |   |         |



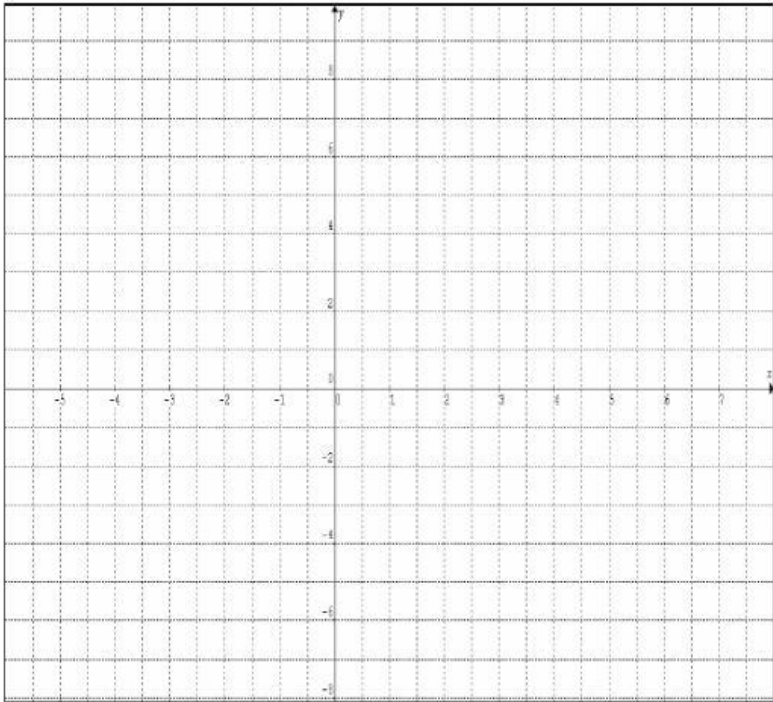
3.  $y = 2x + 3$

| x | $y = 2x + 3$ | y | (x, y) |
|---|--------------|---|--------|
|   |              |   |        |
|   |              |   |        |
|   |              |   |        |
|   |              |   |        |
|   |              |   |        |



4.  $y = x^3 + 1$

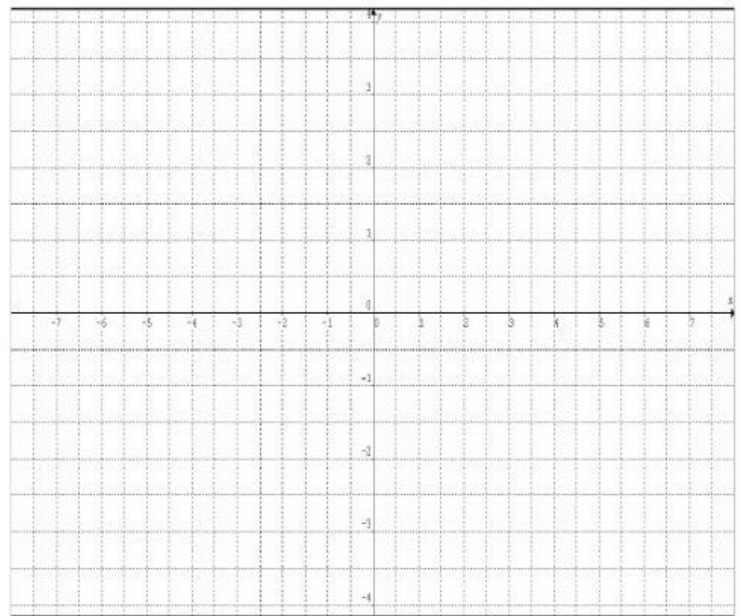
| x | $y = x^3 + 1$ | y | (x, y) |
|---|---------------|---|--------|
|   |               |   |        |
|   |               |   |        |
|   |               |   |        |
|   |               |   |        |
|   |               |   |        |



5.  $y = -2|2x - 6| + 3$

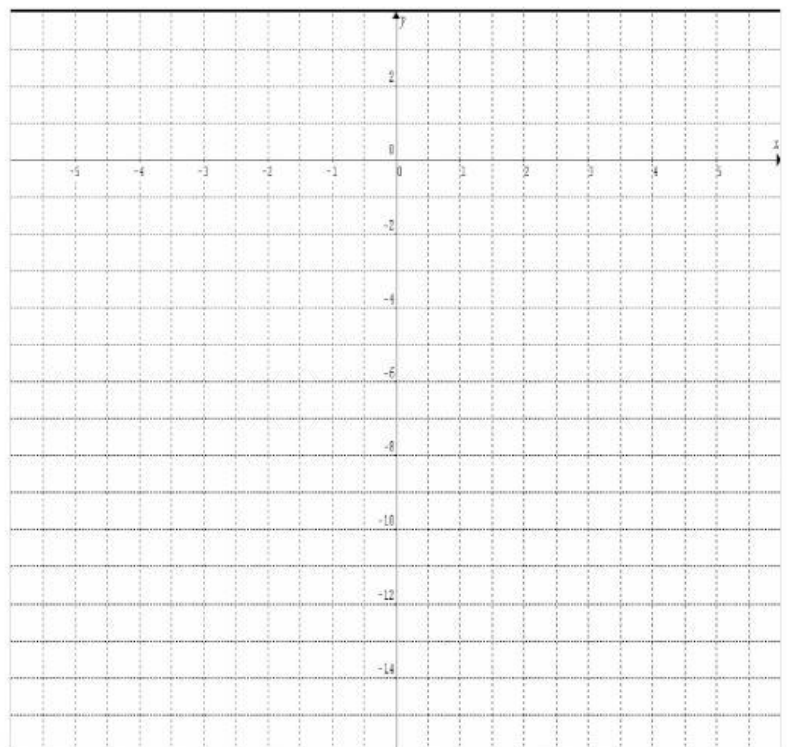
Vértice: ( , )

| x | $y = -2 2x - 6  + 3$ | y | (x, y) |
|---|----------------------|---|--------|
|   |                      |   |        |
|   |                      |   |        |
|   |                      |   |        |
|   |                      |   |        |
|   |                      |   |        |



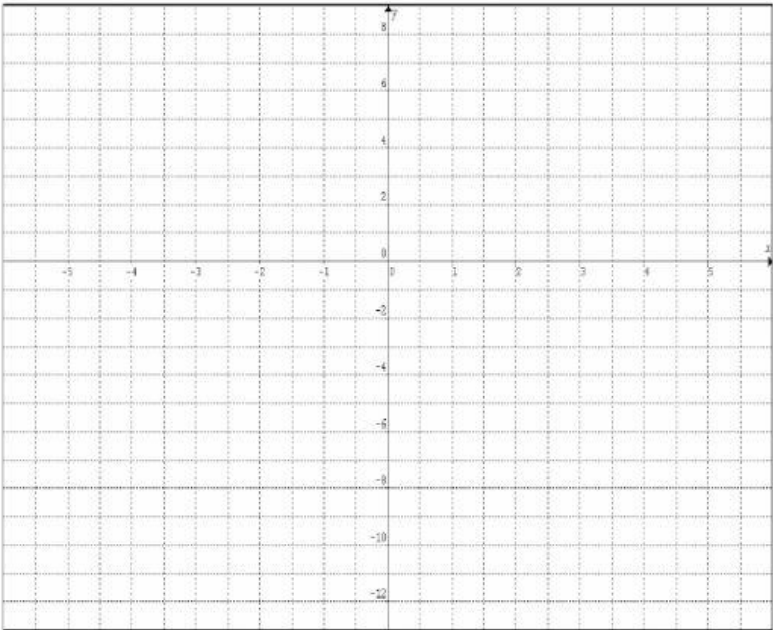
6.  $y = x - 6$

| x | $y = x - 6$ | y | (x, y) |
|---|-------------|---|--------|
|   |             |   |        |
|   |             |   |        |
|   |             |   |        |
|   |             |   |        |



7.  $y = -x^2$

| x | $y = -x^2$ | y | (x, y) |
|---|------------|---|--------|
|   |            |   |        |
|   |            |   |        |
|   |            |   |        |
|   |            |   |        |
|   |            |   |        |



8.  $y = x^2 - 4$

| x | $y = x^2 - 4$ | y | (x, y) |
|---|---------------|---|--------|
|   |               |   |        |
|   |               |   |        |
|   |               |   |        |
|   |               |   |        |
|   |               |   |        |

