

EXPRESIONES DE LA FUNCIÓN CUADRÁTICA

1) Marcar la función que corresponde a cada gráfico.

a)	b)	c)
$y = x^2 - 2$	$y = (x - 1)^2$	$y = (x - 2)^2$
$y = x^2 + 2$	$y = -x^2 + 1$	$y = x^2 + 2$
$y = (x + 2)^2$	$y = -x^2 - 1$	$y = (x + 2)^2$

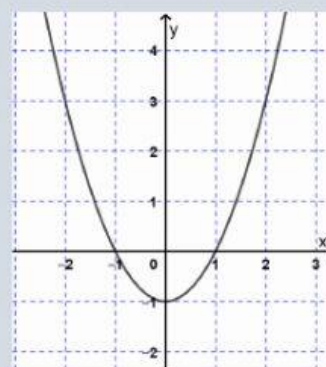
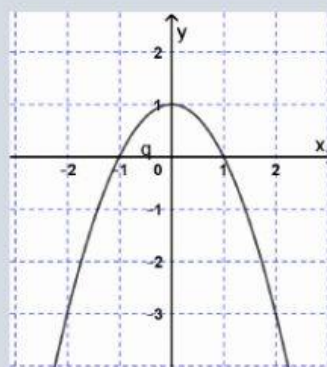
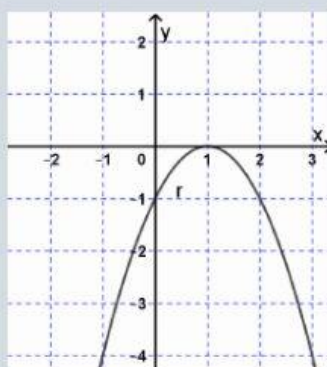
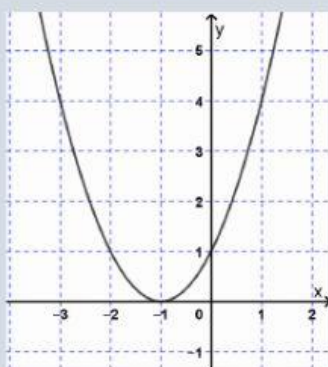
2) Arrastrar cada fórmula a la gráfica correspondiente.

$$y = -x^2 + 1$$

$$y = (x + 1)^2$$

$$y = x^2 - 1$$

$$y = -(x - 1)^2$$



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3) Unir cada función con su desarrollo.

$$y = (x - 1)^2 - 1$$

$$y = -x^2 - 6x$$

$$y = (x - 5)^2 - 5$$

$$y = x^2 - 10x + 20$$

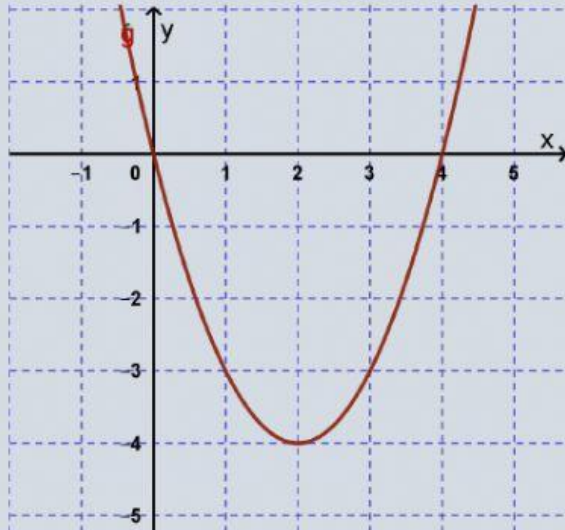
$$y = -(x + 3)^2 + 9$$

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

$$y = -(x - 2)^2 + 9$$

$$y = -x^2 + 4x + 5$$

4) ¿Cuál de las siguientes funciones representa a la parábola de la gráfica?



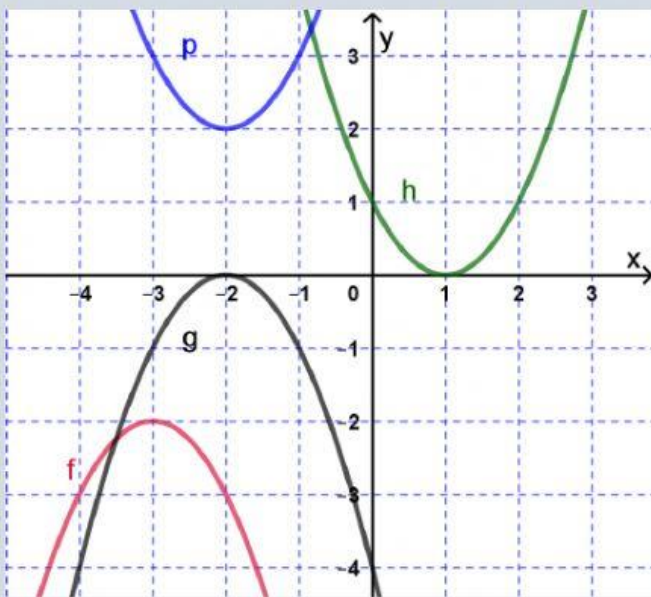
$$y = x^2 - 4x + 4$$

$$y = x^2 - 4x$$

$$y = x^2 - 4x - 4$$

$$y = x^2 + 4x + 4$$

5) Indicar a qué parábola que representa cada fórmula.



$$y = (x + 2)^2 + 2$$

$$y = -(x + 2)^2$$

$$y = (x - 1)^2$$

$$y = -(x + 3)^2 - 2$$