Evaluación primer parcial

A. Seleccione el valor de las siguientes ecuaciones:

1. hallar el valor de x: $3 - 2x = 2 - x$

   a) 1

   b) -1

   c) 0

   d) Ninguna

2. Hallar el valor de x en: $8x - (2x + 1) = 3x - 10$

   a) 3

   b) -3

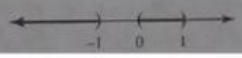
   c) 2

   d) 4

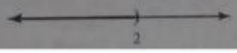
3. Hallar el conjunto solución de: $\frac{x+1}{1-x} < 0$

   a) $\{x|-\infty < x < -1 \text{ o } 1 < x < \infty\}$; $(-\infty, -1)$ o $(1, \infty)$

   b) $\{x|-\infty < x < -1 \text{ o } 0 < x < 1\}$; $(-\infty, 1)$ o $(0, 1)$

   c) $\{x|-\infty < x < 2\}$; $(-\infty, 2)$

4. Hallar el conjunto solución de: $-x^2 + 9 > 0$

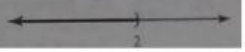
   a) $\{x|-\infty < x < -4 \text{ o } 3 < x < \infty\}$; $(-\infty, -4)$ o $(3, \infty)$

   b) $\{x|-\infty < x < -1 \text{ o } 8 < x < \infty\}$; $(-\infty, -1)$ o $(8, \infty)$

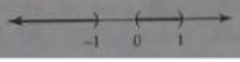
   c) $\{x|-3 < x < 3\}$; $(-3, 3)$

5. Hallar el conjunto solución de: $\frac{x+4}{x-2} \leq 1$

a) $\{x \mid -\infty < x < 2\}$; $(-\infty, 2)$

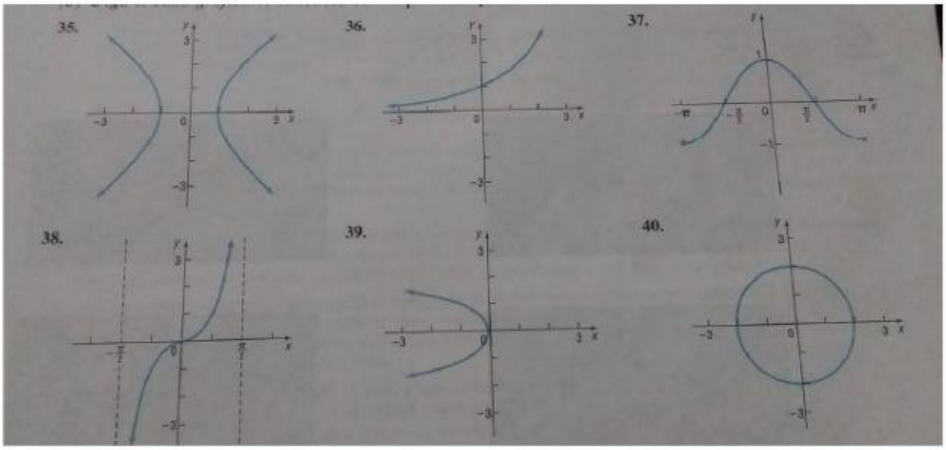


b) $\{x \mid -\infty < x < -1 \text{ o } 0 < x < 1\}$; $(-\infty, 1)$ o $(0, 1)$



c) $\{x \mid -\infty < x < -3 \text{ o } -1 < x < 1 \text{ o } 2 < x < \infty\}$; $(-\infty, -3)$ o $(-1, 1)$ o $(2, \infty)$

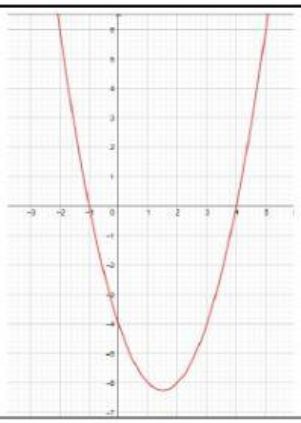
6. Señale cuál de las gráficas es una función:



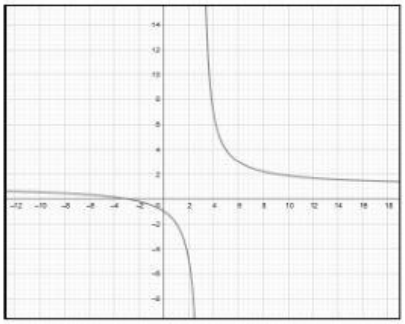
7. Arrastre cada formula a su gráfica y selección si son no función:

$$y = 3x$$
$$4x^2 + 9y^2 = 36$$
$$y = x^2 - 3x - 4$$

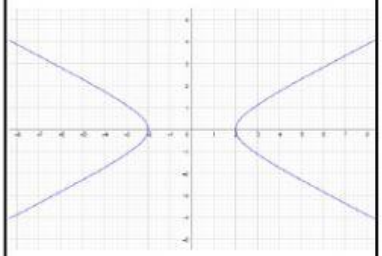
$$y = -5x$$
$$x^2 - 4y^2 = 4$$
$$y = \frac{3 + x}{x - 3}$$



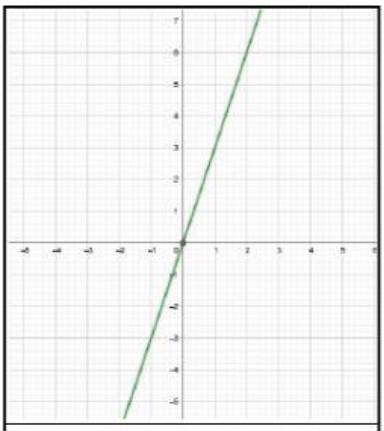
Si es función	No es función



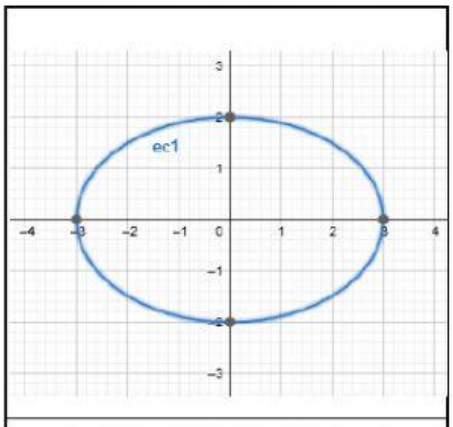
Si es función	No es función



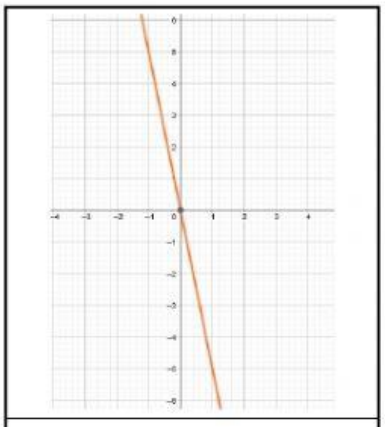
Si es función	No es función



Si es función	No es función



Si es función	No es función



Si es función	No es función