

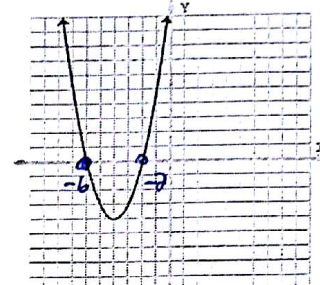
Name Key Period _____ Date _____

Practice- Unit 9 Day 5

I can find solutions to quadratic equations by graphing.

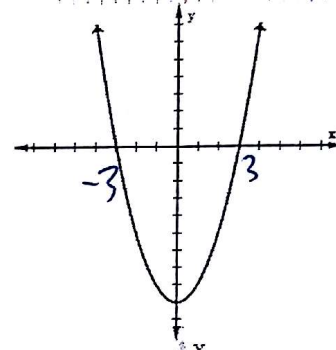
1) Select all of factors of the function graphed?

- a) $(x+5)$
- b) $(x-6)$
- c) $(x+6)$
- d) $(x-2)$
- e) $(x+2)$
- f) $(x-5)$
- g) $(x-1)$



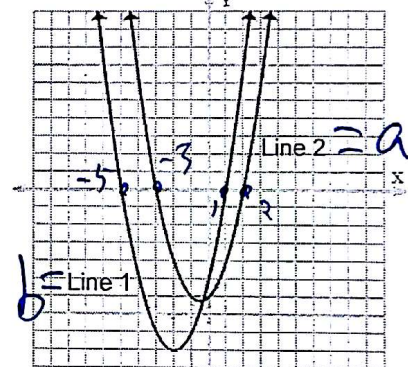
2) What are the apparent factors of the function $f(x)$?

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



3) Look at the graph of the functions shown, based on the roots, match the line to a letter.

- a) $(x-2)(x+3)$ line 2
- b) $(x-1)(x+5)$ line 1
- c) $(x+1)(x-5)$
- d) $(x+2)(x-3)$

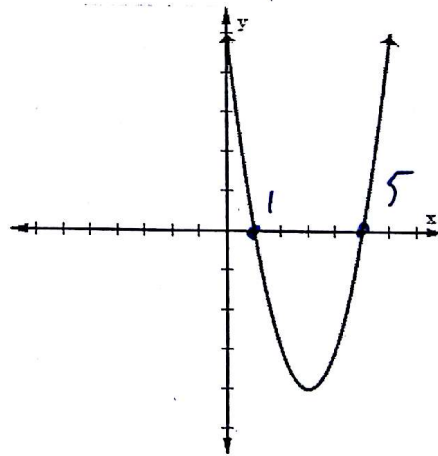


4) What are the x-intercepts of the graph?

$x=1$ & $x=5$
 $(1, 0)$ or $(5, 0)$

What are the apparent factors?

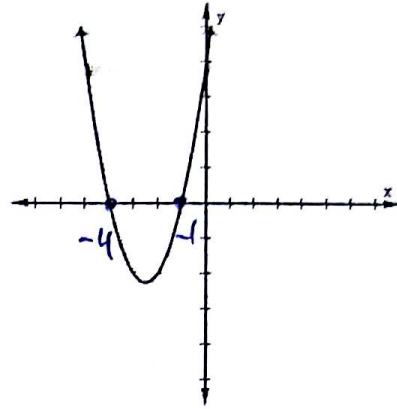
$y = (x-1)(x-5)$



5) What are the roots of the graph?

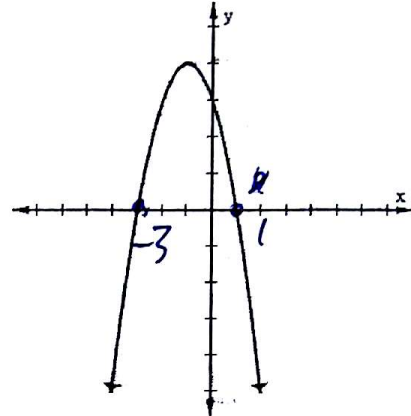
What are the apparent factors?

$$y = (x + 1)(x + 4)$$



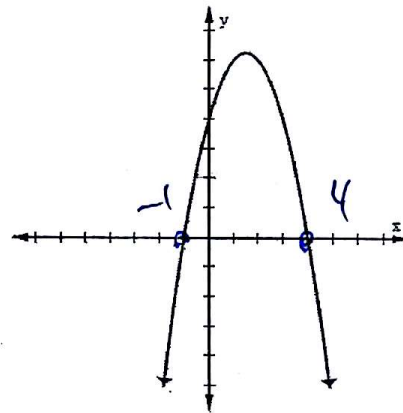
6) Based on the zeros, select all that are factors from the function graphed?

- a) $(x-3)$
- b) $(x+3)$
- c) $(x+5)$
- d) $(x-1)$



7) Based on the x-intercepts, select all that are factors from the function graphed?

- a) $(x-1)$
- b) $(x+4)$
- c) $(x+5)$
- d) $(x-4)$



8) From the roots, select all that are factors from the function graphed?

- a) $(x+2)$
- b) $(x+1)$
- c) $(x-1)$
- d) $(x-2)$

