8TH GRADE MATH

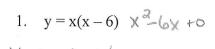
FFC 2.4 PRACTICE Quadratic Functions ky Features Practice



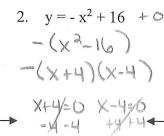
Day 1: Find the x-intercepts. Write your answer as ordered pairs. Graph the x-intercepts.

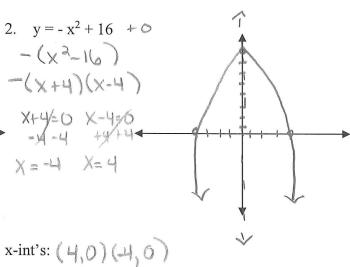
Day 2: Find the line of symmetry. Write your answer as an equation. Graph the LOS as a dashed line. Use the LOS to find the vertex. Write the vertex as an ordered pair. As yourself, will the vertex be a maximum or minimum? Doe that make sense?

Day 3: Find the coordinate of the y-intercept. Graph the function.









x-int's: (0,0)(6,0)

axis:
$$\chi = 3$$

3.
$$y = x^2 + 6x + 9$$

($x + 3$)($x + 3$)



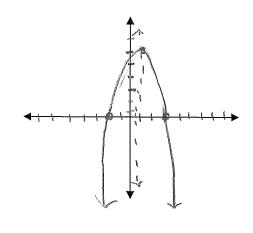


axis:
$$\chi = 3$$

y-int:
$$(0,9)$$

5.
$$y = -(x-3)(x+2) - (x^2 - x - 6)$$

 $x-3=0 x+2=0$



4.
$$y = x^2 + 5x \cdot 14$$
 $(x + 7)(x - 2)$
 $x + 7 = 0$
 $x + 7 = 0$
 $x + 7 = 0$

axis:
$$\chi = -2.5$$

x-int's:
$$(3,0)(-2,0)$$

axis:
$$\chi = \gamma_{a}$$