Wednesday, March 6, 2019

- Warm-up
 - Find the zeros solutions) of the following equations:

 $y = x^2 + 2x - 8$ () = (x + 4)(x - 2)X+4=0 X-2=0-4-4 +2+2X=+2X=+2

 $y = x^{2} - 8x + 12$ $\bigcirc = (x - 2)(x - 6)$ $x - 2 = 0 \qquad x - 6 = 0$ $+ 2 - 2 \qquad x - 6 = 0$ $+ 3 - 2 \qquad x - 6 = 0$ $+ 3 - 2 \qquad x - 6 = 0$ $+ 3 - 2 \qquad x - 6 = 0$ $+ 3 - 2 \qquad x - 6 = 0$ $+ 3 - 2 \qquad x - 6 = 0$ $+ 3 - 2 \qquad x - 6 = 0$ $+ 3 - 2 \qquad x - 6 = 0$

Graphing Quadratics

Objectives:

Content: I will apply factoring and/or quadratic formula to graphing parabolas. Social: I will be respectful to my classmates by not disrupting the lesson. Language: I will define the words xintercept, y-intercept, axis of symmetry and vertex clearly in my notes.





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If the equation y = (x - 6)(x + 12) is graphed in the xy-plane, what is the x-coordinate of the parabola's vertex? **Exit Slip** Zp 4.1 24 A) -6 Choose an answer B) Explain your reasoning (show your process). •Choose an incorrect answer, explain the 3 mistake someone who chose that one made. 6

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