Tuesday, January 8, 2019

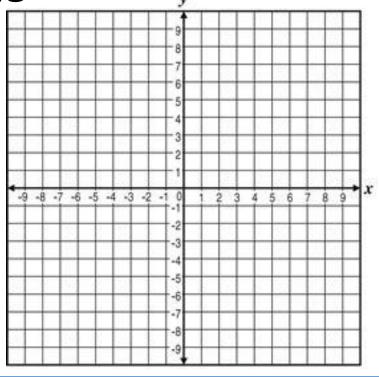
- WELCOME BACK!!  $\frac{x f(x)}{2}$
- Warm-up
  - Without using a calculator, graph the following quadratics:

• 
$$f(x) = (x-3)^2-4$$

• 
$$f(x) = x^2 - 6x + 5$$

$$f(-2) = (-2-3)^2 - 4$$

- New groups
- Review the basics of quadratics

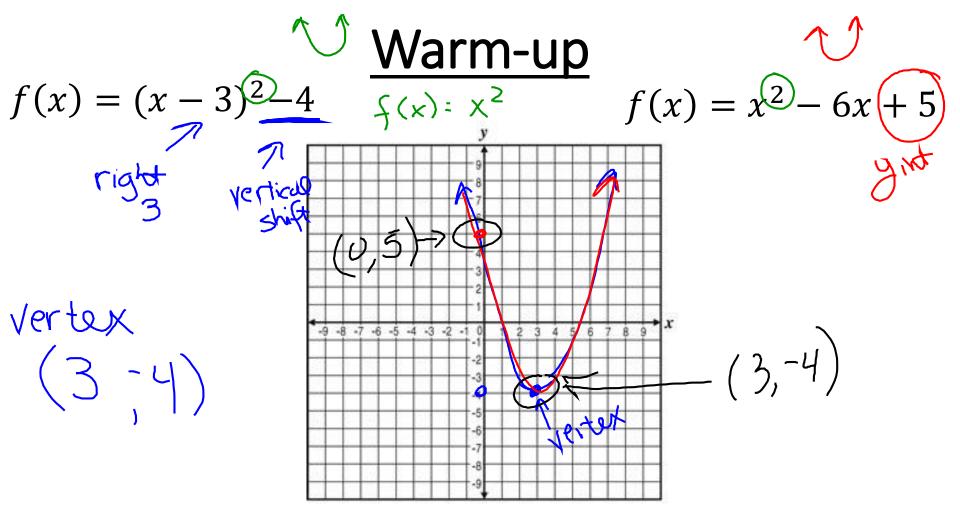


### **Objectives:**

**Content**: I will review the basics of quadratics including vertex form, standard form and graphing.

**Social**: I will work well with my new group members.

**Language**: I will use correct terminology when discussing and writing about quadratics.



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# Building a New Group...



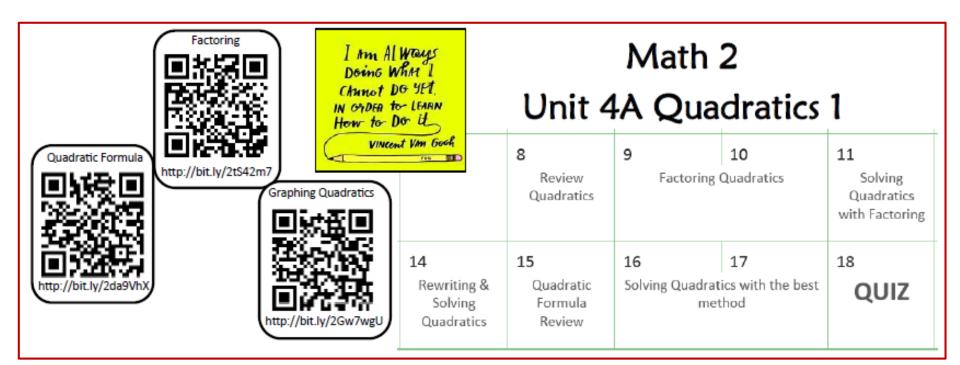
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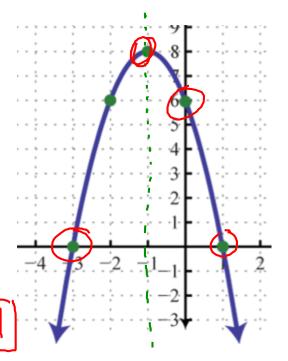
# Calendar



## Big Ideas About Quadratics

- · Graph: Parabola
  - direction: opens up lopens down
     x-intercepts: Crosses x-axis (-3,0)
     y-intercept: crosses y-axis (0,6)

  - axis of symmetry: line down middle (X=
- vertex:minimum /maximum
   Vertex Form: f(x)= 2(x+1)
- Standard Form:  $-(x) = -2x^2 4x$



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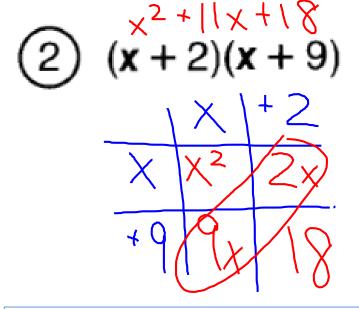
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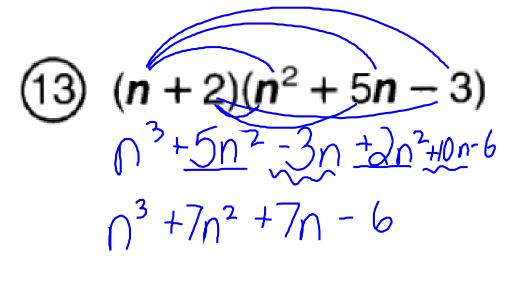
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Homework Set-up & Start

1) 
$$(x + 3)(x + 5)$$
  
 $x^2 + 5x + 3x + 15$   
 $x^2 + 8x + 15$ 

$$(4a - 7)(3a - 2)$$





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