

1

Standards

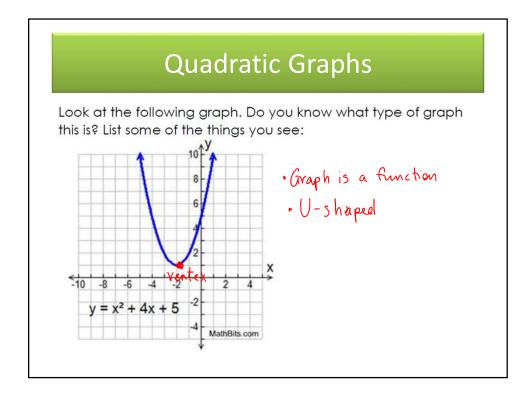
MGSE9–12.A.SSE.3 Choose and produce an equivalent form of an expression to reveal and explain properties of the quantity represented by the expression.

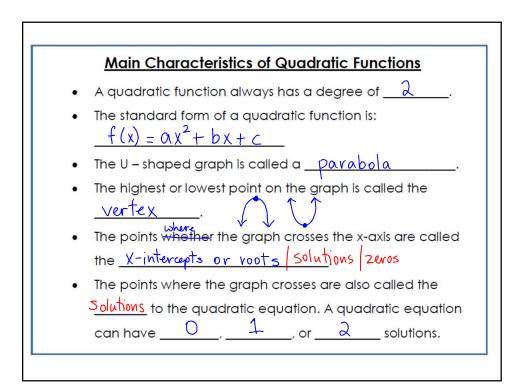
MGSE9–12.A.SSE.3a Factor any quadratic expression to reveal the zeros of the function defined by the expression.

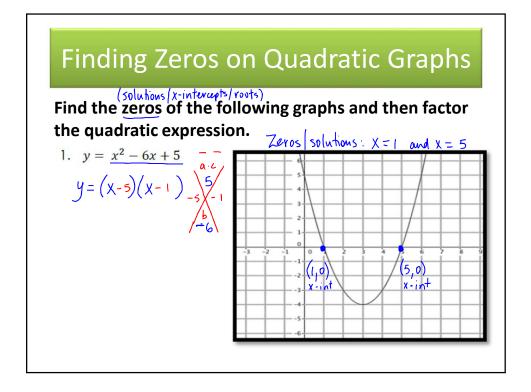
What do you already know about these standards?

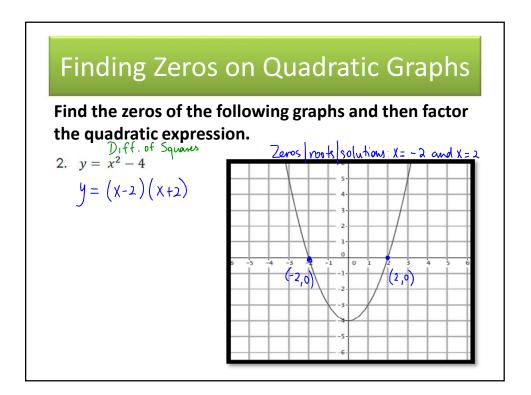


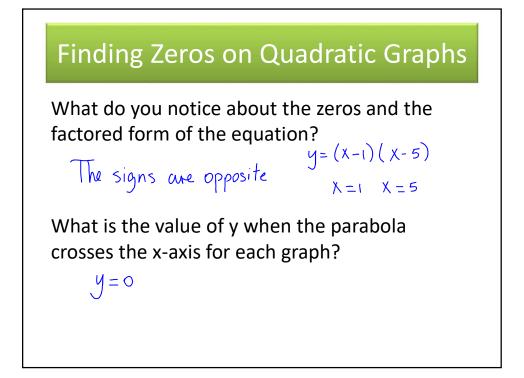
Zero Product Property

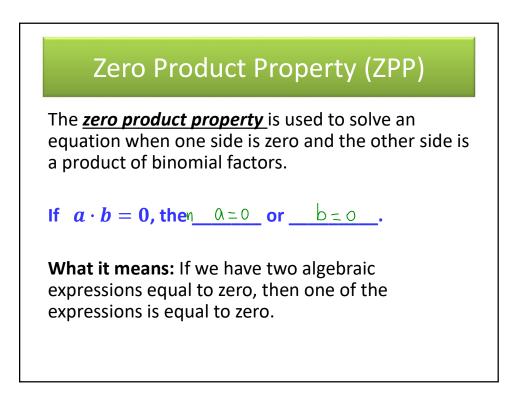


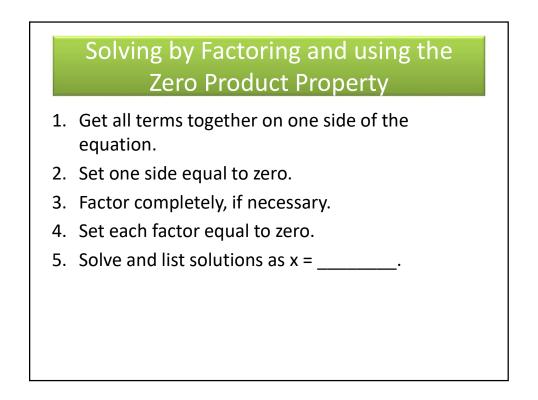


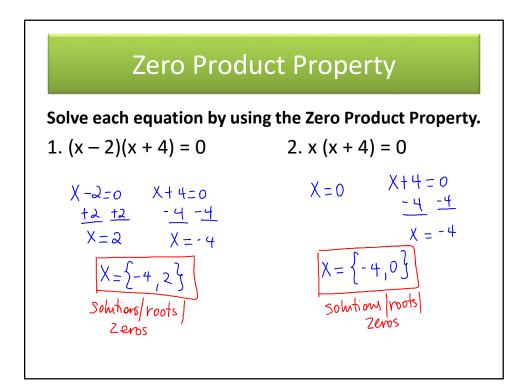












Zero Product Property

Solve each equation by using the Zero Product Property.

3.
$$y = x^{2} - 6x + 9$$

 $0 = x^{2} - 6x + 9$ (Factor - Pertect Square Trinomial)
 $0 = (x - 3)^{2}$
 $\begin{array}{c} x - 3 = 0 \\ \frac{+3}{x} = 3 \end{array}$

