

# Quadratics

Unit 8-9  
Quadratics

Given the equation

$$4(x^2 - x) = 15$$

1. Write in standard form
2. Solve for  $x$
3. Write in standard Vertex form. What is the vertex?
4. What is the Y-intercept?
5. What are the x-intercept?
6. Write in factored form
7. Plot the function, and check your answers