

# Solving Quadratic Equations by Graphing

03/22/2012

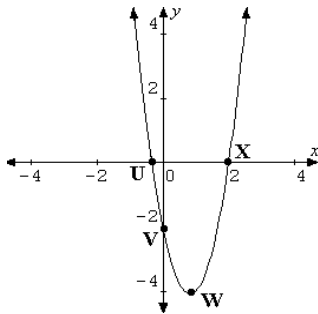
**Student Name:** \_\_\_\_\_

**Class:** \_\_\_\_\_

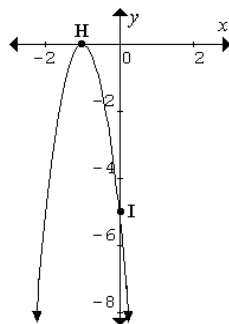
**Date:** \_\_\_\_\_

**Instructions:** Read each question carefully and select the correct answer.

1. The following graph represents the equation  $y = 3x^2 - 5x - 2$ . Choose the point(s) on the graph that would solve the equation  $3x^2 - 5x - 2 = 0$ .

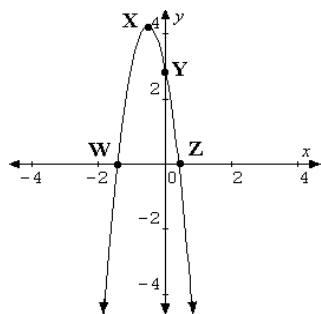


- A. Points U and X
  - B. Point V
  - C. Points U, V, and X
  - D. Point W
2. The following graph represents the equation  $y = -5x^2 - 10x - 5$ . Choose the point(s) on the graph that would solve the equation  $-5x^2 - 10x - 5 = 0$ .

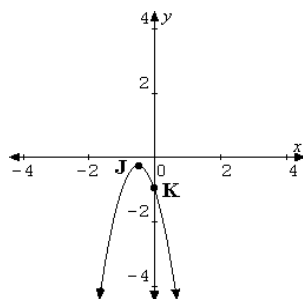


- A. no real solutions
- B. Point H
- C. Point I
- D. Points H and I

3. The following graph represents the equation  $y = -5x^2 - 5x + 3$ . Choose the point(s) on the graph that would solve the equation  $-5x^2 - 5x + 3 = 0$ .



- A. Points W, Y, and Z  
B. Point X  
C. Point Y  
D. Points W and Z
4. The following graph represents the equation  $y = -3x^2 - 3x - 1$ . Choose the point(s) on the graph that would solve the equation  $-3x^2 - 3x - 1 = 0$ .



- A. There are no real number solutions.  
B. All real numbers are solutions.  
C. Point K  
D. Point J