

Algebra 1/Assignment #401 – Solving Quadratic Equations by Graphing (30 pts.)

Direction: Solve each quadratic equation by graphing. Show all your work (10 pts per problem).

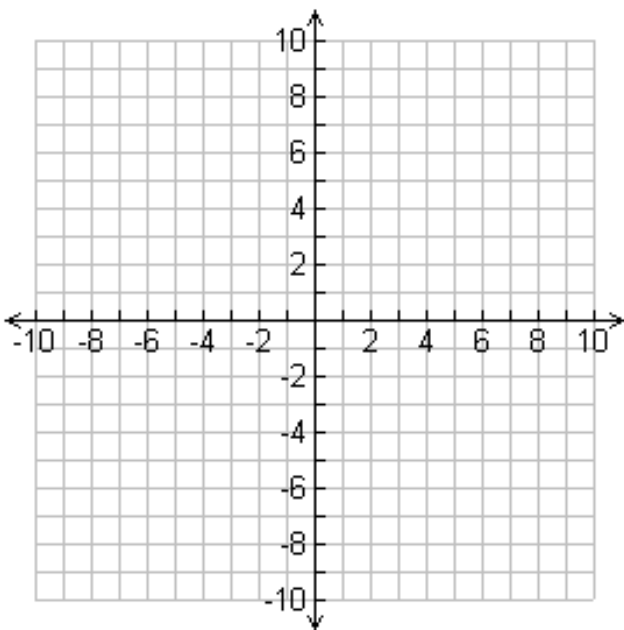
1.) $x^2 - 6x + 8 = 0$

a. Axis of Symmetry: $a =$, $b =$

d. Additional Points

b. Vertex

c. Y-intercept



From the graph, the **solution(s)** is/are _____ .

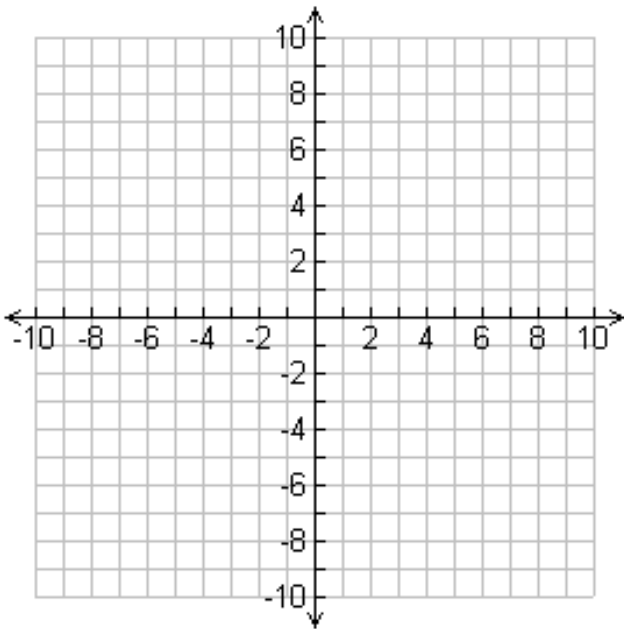
2.) $-x^2 - 4x - 4 = 0$

a. Axis of Symmetry: $a =$, $b =$

d. Additional Points

b. Vertex

c. Y-intercept



From the graph, the **solution(s)** is/are _____ .

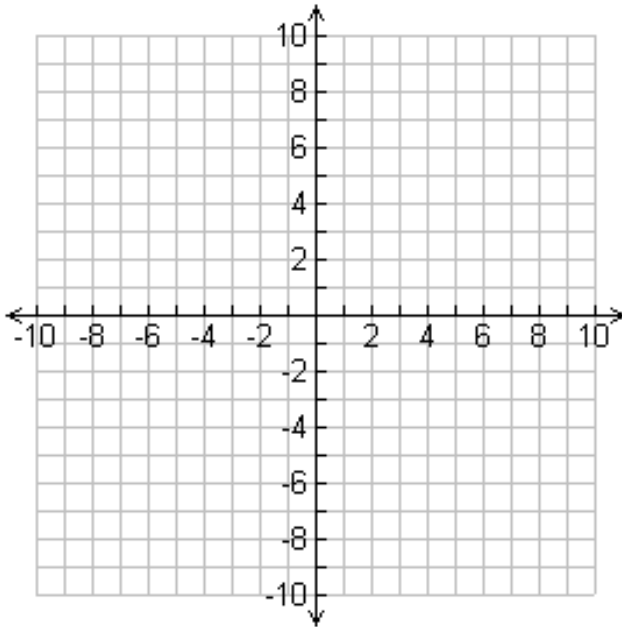
3.) $x^2 + 2x + 4 = 0$

a. Axis of Symmetry: a = , b =

d. Additional Points

b. Vertex

c. Y-intercept



From the graph, the **solution(s)** is/are _____ .