L7 Solving Quadratic Eqns Graphically



L7 Solving Quadratic Eqns Graphically

0: ax2+bx+c quadratic expression

V:ax2+bx+c quadratic function

Pre-Calcul

O: ax2+bx+c quadratic equation Pre-Calculus 11 Enriched Quadratic Equations & Functions I

Lesson 7 Solving Quadratic Equations Graphically

Recall:

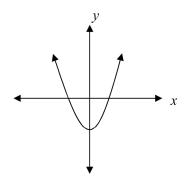
Types of Solutions

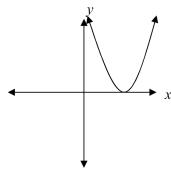
2 Solutions

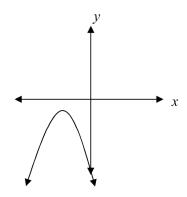


1 Solution

0 Solutions





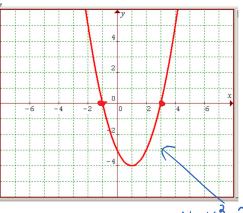


Example 1

Use the given graph to solve each equation.

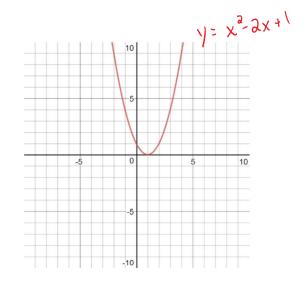
a)
$$x^2 - 2x - 3 = 0$$

sd'n x = -1,3 = all you need to do for I mark



roots of a quadratic ein)
x-intercepts of a graph } all have the zero(s) of a function same value

b)
$$x^2 - 2x + 1 = 0$$



c)
$$x^2 + 1 = 0$$
 $y^2 = -1$

No sol'n

Pg 266

