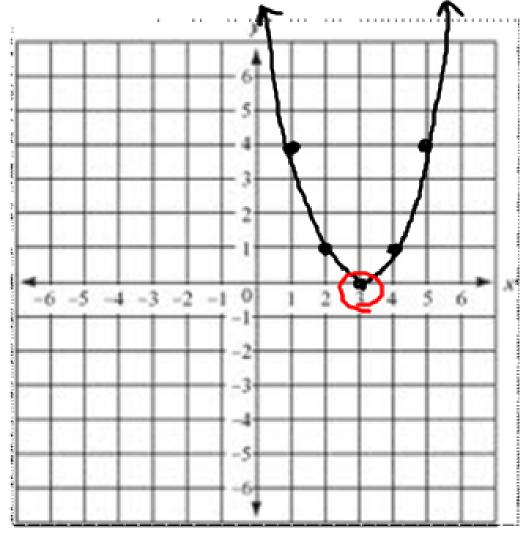
10 - 2 Solving Quadratic Equations by Graphing

roots: solutions of a quadratic

Ex: Solve $x^2 - 6x + 9 = 0$ by graphing.

one root: 3

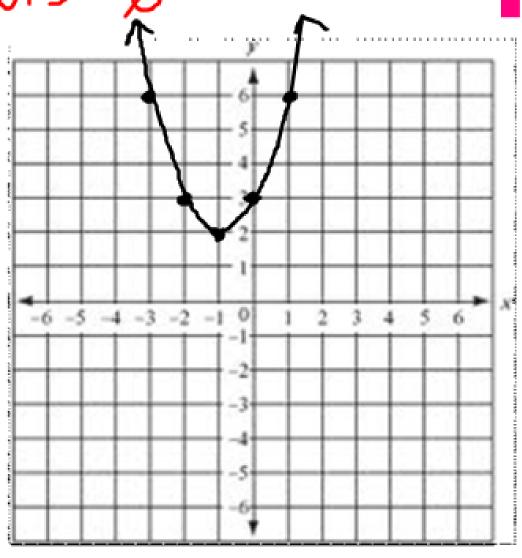
X	у
1	4
2	J
3	0
4	1
5	4



Ex: Solve $x^2 + 2x + 3 = 0$ by graphing.

no real roots

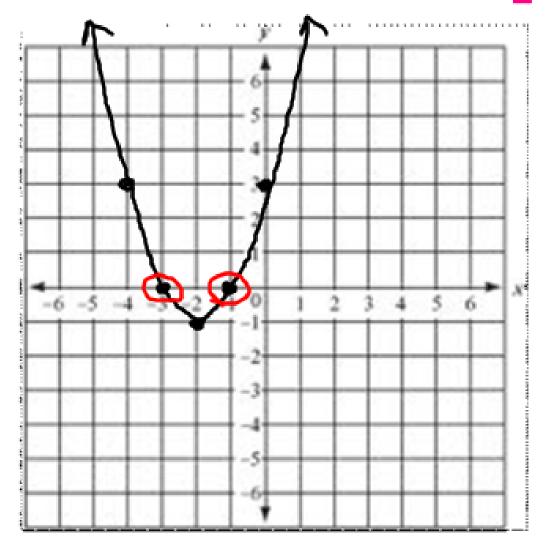
X	у_
- 3	9
- 2	3
- 1	2
0	3
1	6



Ex: Solve $x^2 + 4x + 3 = 0$ by graphing.

two roots: - 3 and -1

X	у
- 4	3
-3	6
- 2	-1
$\overline{(1)}$	0
0	3



Ex: Solve $x^2 + 6x + 7 = 0$ by graphing.

between -4 and -5, between -1 and -2

