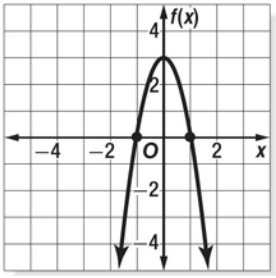
NAME _____ DATE _____ PERIOD _____

LT 3.4 Honors Skills Practice

Solving Quadratic Equations By Graphing

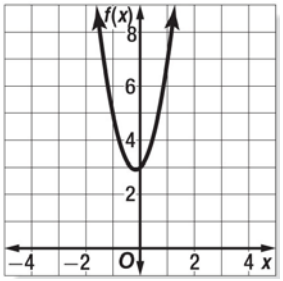
Use the related graph of each equation to determine its solutions. How many solutions does it have?

1. $-3x^2 + 3 = 0$



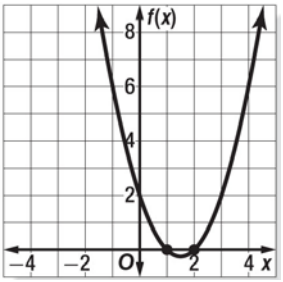
2 solutions: x = -1, 1

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



No solutions

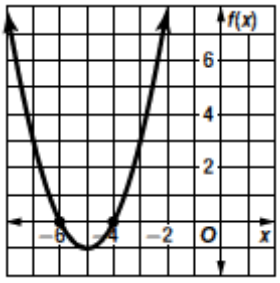
3. $x^2 - 3x + 2 = 0$



2 solutions: x = 1, 2

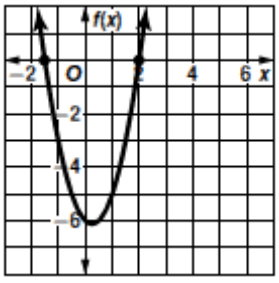
Solve each equation. How many solutions does it have?

4. $x^2 + 10x + 24 = 0$



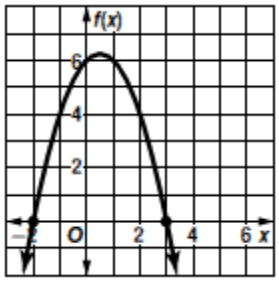
2 solutions: x = -6, -4

5. $2x^2 - x - 6 = 0$



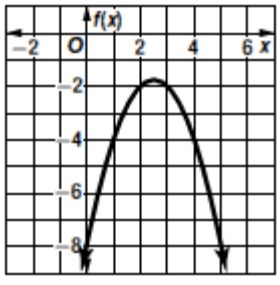
2 solutions: x = -1.5, 2

6. $-x^2 + x + 6 = 0$



2 solutions: x = 3, -2

7. $-x^2 + 5x - 8 = 0$



No solutions