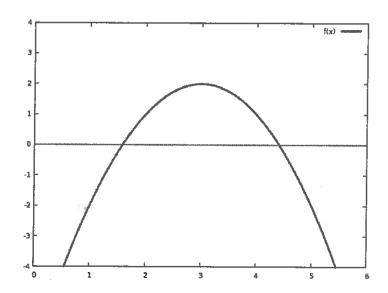
## Algebra: Practice Quiz 1

## Format and instructions

- The quiz will be 10 questions. (This practice quiz is shorter.) You have the entire 55 minute class period.
- Show all your work in an orderly fashion. Remember: it's not just about getting a correct final answer, it's about being able to communicate how you got that answer.
- The only materials that need to be brought are a pencil or pen. You do not need to bring your own paper to write on.
- Electronic devices, including phones, computers, and calculators, are not allowed during the quiz period.
- You are not allowed to refer to notes or books during the quiz period.
- Please be quiet during the quiz period, so that you are not a distraction to your classmates.
- Individual accommodations may modify these rules.

2. A quadratic function f(x) is graphed below.



(a) How many x-intercepts does f(x) have?



(b) How many solutions are there to f(x) = 3?



(c) What is the vertex of f(x)?



3. Find the y-intercept and all x-intercepts of the function

$$y = -2(x - 4)(x + 2)$$
.

Y=-16 Y=-2(04)(042) Y=-2(-4)(2) Y=-16

6. Use factoring to find the x-intercepts of the function

$$y = x^2 + 5x - 24$$
.

You can use this table of how to factor 24 to help.

	factorization
24 =	1 × 24
	2 × 12
	3 × 8
	4 × 6

y=(x+A)(x-13) Need A-B=5

8-3 noks

Y= (x+8/(x3)

x-.n3: x=-8,3