Nam	e
AAnc	Doumboe

Date	_
8A Period	

Take	Home	Quiz	#14
une	rionie	Quiz	11.14

Due:\_\_\_\_\_

\*\*Show all work where possible\*\*

1)	Solve the	following	system of	f equations	algebraically	, and check	. (20 point	s)

$$y = x^2 - 6x + 6$$

$$y = x - 4$$

## 2) Solve the following system of equations algebraically and check. (20 points)

$$y = x^2 - 4x - 2$$

$$y = x - 2$$

3) Solve the following system of equations algebraically and check. (20 points)
$y = x^2 + 3x - 7$
y-3x=9
4) Convert the function into vertex form by completing the square. Then find the vertex. (10 points)
$g(x) = x^2 + 26x + 68$

