Mod 2 Test Review 2 Math 2
1) $f(x) = x^2 + 13x - 14$
Factored form:
Vertex form:
Vertex: Equation of Axis of Sym Y-intercept: x-intercept(s):

2) 
$$f(x) = x^2 - 2x + 24$$

Factored form:

Vertex form:

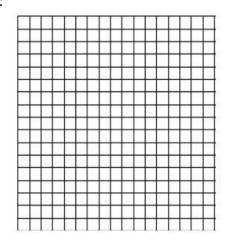
Vertex:	·
Eq. of Axis of Sym	
y-intercept:	
k-intercepts	

Name	
Date	Period

3) 
$$f(x) = \frac{1}{2}(x+4)(x-2)$$

x-intercepts:	<del></del>
y-intercept:	
Vertex:	_
Equation of Axis of sym.	

## Graph:

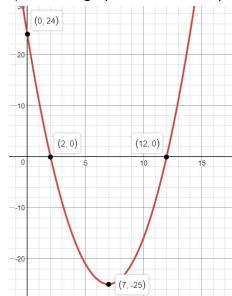


4) Factor: 
$$x^2 + 10x - 75$$

5) Factor: 
$$4x^2 + 8x - 5$$

6) Factor: 
$$3x^2 - 75$$

## 7) Use the graph to write the equation in:



Vertex form:

Factored form:

Standard form: \_\_\_\_\_

- 8) In a basic square, one side was increased by 1 and the other side was increased by 3, and finally, the area was multiplied by 3. Write the equation in:
- a) Factored form:
- b) Standard form:

c) Vertex form:

d) Describe the transformation to obtain this graph from the parent graph  $f(x) = x^2$ .