

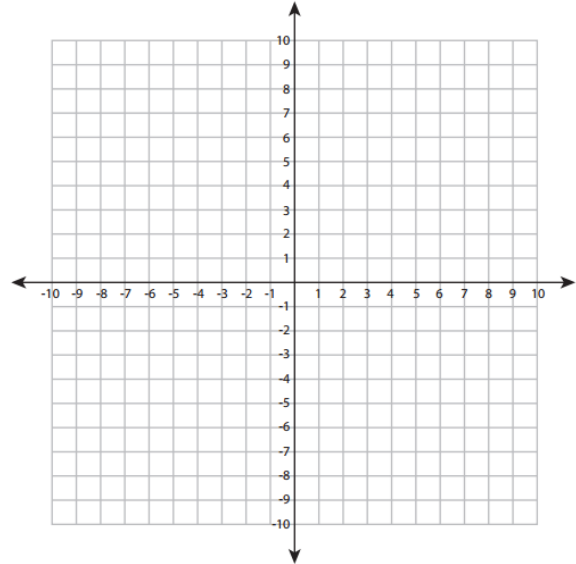
Name: _____ Date: _____ Period: _____ **Read all directions.**
Algebra 1CP Unit 9 **practice** test (quadratics) Show your work, and write the answers in the space provided.

1. Find the equation of the Axis of Symmetry for the equation $m^2 + 4m = -1$. 1. _____

2. Find the vertex for the equation $m^2 + 4m = -1$. 2. _____

3. Fill in the input-output table for the equation $m^2 + 4m = -1$ and graph in the coordinate plane below.

m					
f(m)					



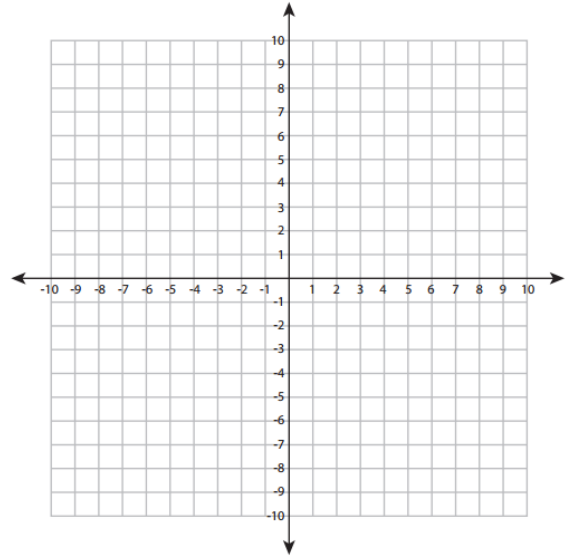
4. Find the solution(s) of $m^2 + 4m = -1$ using the Quadratic Formula. 4. _____

5. Find the equation of the Axis of Symmetry for the equation $x^2 - 4x + 7 = 0$ 5. _____

6. Find the vertex for the equation $x^2 - 4x + 7 = 0$ 6. _____

7. Fill in the input-output table for the equation $x^2 - 4x + 7 = 0$ and graph in the x-y coordinate plane below.

x					
f(x)					



8. Find the solution(s) of $x^2 - 4x + 7 = 0$ by using the quadratic formula.

8. _____

Find the solution(s) of each equation below by completing the square.

9. $x^2 + 8x + 12 = 0$

10. $x^2 - 9x = 10$

9. _____

10. _____

Write the equation of the parabola in the form requested using the information given.

11. Standard form:
X-intercepts are -8 and $\frac{1}{4}$

12. Vertex form:
Vertex (-5, 8) and Point (-7, 4)

11. _____

12. _____

E.C. Change $y = 4(x - 3)^2 - 30$ into Standard Form.

E.C. _____