Chapter 9 test layout (18 Questions)

#1-4: Match a quadratic with its Graph (9.1)

#7: Graph a quadratic (w/3 ordered pairs) (9.1 & 9.2)

#5 & 6: identify the vertex (9.2)
#5 & 6: identify the line of symmetry → (9.2)

#8-13 → solve the quadratic
Any Method: Graphing (9.1 & 9.2)
Sq. roots (9.3)
factoring (9.4)
quad. formula (9.6)

#14 & 15: tell <u>how</u> many solutions (9.6)

#16-18: which model? write the equation (9.7)

Name _____ Block _____

ACCL: Chapter 9 Test

1. _____

2. _____

3. _____

4. _____

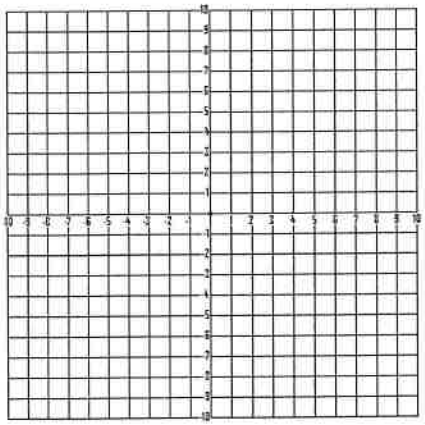
5.
vertex: _____

line of symmetry: _____

6. vertex: _____

line of symmetry: _____

7.



8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. Type of Function: _____

Equation: _____

17. Type of Function: _____

Equation: _____

18. Type of Function: _____

Equation: _____

Linear Function: $y = mx + b$

Exponential Function: $y = a * b^x$

Quadratic Function:

$y = ax^2 + bx + c$

Quadratic Formula:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Discriminant: $b^2 - 4ac$