Algebra 1

Name

ID: 1

Practice 10.1 to 10.3 Quiz

FUNC.e.1

For each quadratic function -(1) Mark the vertex with a "V" and give its ordered pair; and (2) Mark the y-intercept with a "Y" and give its ordered pair.





Period

FUNC.e.2

For each quadratic function, (1) determine the direction of the parabola and explain;

(2) identify the y-intercept and explain.

KEY



FUNC.e.3

Graph each quadratic function in standard form and identify the y-intercept, axis of symmetry, and vertex.

For each guadratic function -

- (1) Clearly graph at least 5 points and provide the supporting table of values.
- (2) Mark the y-intercept with a "Y" and give its ordered pair.
- (3) Mark the axis of symmetry with a "AS" and give the appropriate equation.
- (4) Mark the vertex with a "V" and give its ordered pair.



FUNC.e.4

Solve each quadratic function by graphing:

- (1) Clearly graph at least 5 points and provide the supporting table of values.
- (2) Give the ordered pair for the y-intercept: "Y-int (_,_)" If possible, mark graph with a "Y".
- (3) Mark the axis of symmetry with a "AS" and give the appropriate equation.
- (4) Mark the vertex with a "V" and give its ordered pair.
- (5) Mark the x-intercepts with a "X".
- (6) Solve the quadratic fuction and label solutions "Roots are x=...".



A=1 B=8 C=15[YINT(0,15)] As $X = \frac{-8}{2(1)} = \frac{-8}{2} [X = -4]$ 3 -4 -5 0 -1 0 T -3