**Chapter 10: Quadratic Equations and Functions**

**(Acc)**

**10.1: Graph *y* = *ax*² + *c***

\*Use Worksheets

**10.2: Graph *y* = *ax*² + *bx* + *c* (pp. 638-640)**

**Set A: Find the axis of symmetry and the vertex (3):** 7, 8, 10

**Set B: Graph the function**

**Set C: Find the minimum or maximum value (3):** 32, 34, 36

**WP (4):** 40, 41, 42, 43

10 Problems Total

**10.3: Solve Quadratic Equations by Graphing (pp. 647-649)**

**Set A: Solve by Graphing (4):** 7, 11, 17, 35

**Set B: Find the Zeros of a Function (3):** 28, 29, 30

**Set C: Approximate Zeros (2):** 37, 38

**WP (5):** 47, 48, 50, 52, 54

14 Problems Total

**10.4: Use Square Roots to Solve Quadratic Equations (pp. 655-658)**

**Set A: Solve – Very basic (6):** 5, 6, 7, 8, 9, 12

**Set B: Solve – Round to the nearest hundredth (4):** 18, 19, 20, 21

**Set C: Solve – Square Root First, different solutions (5):** 32, 33, 34, 44, 45

**Geo/WP (5):** 47, 49, 56, 57, 58

20 Problems Total

**10.6: Solve Quadratic Equations by the Quadratic Formula (pp. 674-676)**

**Set A: Use the Quadratic Formula to Solve (6):** 3, 4, 7, 8, 13, 22

**Set B: Choose any method (5):** 2, 35, 37, 41, 42

**Geo/WP (5):** 44, 46, 47, 48, 50

16 Problems Total

**10.7: Interpret the Discriminant (pp. 681-683)**

**Set A: State the number of solutions (4):** 3, 6, 9, 13

**Set B: State the number of *x*-intercepts (3):** 25, 26, 29

**Set C: Locate the vertex compared to the *x*-axis (3):** 34, 35, 38

**Geo/WP (3):** 41, 45, 48

13 Problems Total