1. ***Graphing quadratic equations with tables (in standard form)—4 Total Problems***

*Breakdown: (Identify the vertex using)*

2 quadratic opening up ex:

2 quadratic opening down ex:

1. ***Graphing linear equations in slope-intercept form—6 Total Problems***

*Breakdown (Plot at least 4 points):*

2 problems with positive slopes (1 fraction slope, one integer slope) ex:

2 problems with negative slopes (1 fraction slope, one integer slope) ex:

1 problem with a slope of 0 ex:

1 problem with an undefined slope ex:

1. ***Solve equation with square roots—8 Total Problems***

*Breakdown:*

2 problems with solutions that are real integer numbers ex:

1 problem with two solutions and a radical that can be expressed in simplest form ex:

1 problem with one solution ex:

2 problems with radicals that cannot be simplified ex:

2 problems with imaginary answers ex:

1. ***Factoring quadratics—pull out GCF first—6 Total Problems***

*Breakdown*:

3 problems where you pull out the GCF and then *a = 1* ex:

3 problems where you pull out the GCF and then 🡪 Lizzie Method used to factor ex:

1. ***Factoring quadratics—when a is 1—8 Total Problems***

*Breakdown*:

2 problems where *b* is positive and *c* is positive ex:

2 problems where *b* is negative and *c* is positive ex:

2 problems where *b* is positive and *c* is negative ex:

2 problems where *b* is negative and *c* is negative ex:

1. ***Factoring quadratics—when a is not 1—6 Total Problems***

*Breakdown:*

6 problems where a is not 1 and there is no GCF to pull out. Use the Lizzie Method to factor*.*

Ex:

1. ***Factoring quadratics—difference of squares—8 Total Problems***

*Breakdown:*

2 problems in the form ex:

2 problems in the form ) ex:

2 problems in the form ) ex:

2 problems in the form ( ex:

1. ***Solving Quadratics using the Quadratic Formula—6 Total Problems***

*Breakdown:*

2 problems where the solution is two real numbers ex:

2 problems where there is only 1 solution ex:

2 problems where both solutions are imaginary ex: =0

1. ***Solving equations using cross multiplication —6 Total Problems***

*Breakdown*

3 problems when cross multiplied are a linear equation ex:

3 problems when cross multiplied are a quadratics ex:

1. ***Find slope algebraically between two points—8 total problems***

*Breakdown*

3 problems with positive slopes ex: (1, 1) and (3, 4)

3 problems with negative slopes ex: (1, 1) and (3, -4)

1 problem with an undefined slope ex: (1, 1) and (1, 4)

1 problem with a slop of 0ex: (1, 1) and (3, 1)