

Alg 2 Station

3rd round of NTI packets

First of all... I miss you all so very much and I can't wait until I see you again! I hope you are well. Remember you can message me on remind anytime or email me if you have any question or if you just want to talk. I am also posting Daily Math Riddles on google classroom for you to answer, please answer those! It lets me know you're paying attention to google classroom and keeping up with the packets. If you need anything, please let me know!

Assignment: Make a brochure.

Instructions: You are going to be making a brochure. You can do this on paper or digitally. You are going to have a Cover page with Algebra 2 as the title, your name, my name, and you're A Day class period. You will choose 4 Learning Targets from the list below (one for each page of your brochure). You will write the learning target for the title of that page and explain how to do it and give at least 3 examples and work those examples out. Good Luck!

List of Learning Targets:

Unit 1 – (Radical Expressions and Equations):

Learning Target 1: I can simplify radicals that have various indices.

Learning Target 2: I can simplify expressions using properties of roots.

Learning Target 3: I can simplify expressions using properties of rational exponents.

Learning Target 4: I can add and subtract expressions containing radicals.

Learning Target 5: I can multiply expressions containing radicals.

Unit 2 – (Conic Sections):

Learning Target 1: I can identify conic sections (parabola, circle, ellipse, and hyperbola) from their equations in standard form.

Learning Target 2: I can graph parabolas and their translations (hand and with calculator).

Learning Target 3: I can graph circles and their translations (hand and with calculator).

Learning Target 4: I can determine the characteristics of circle.

Learning Target 5: I can write equations of circle.

Learning Target 6: I can determine the characteristics parabolas.

Learning Target 7: I can write equations of parabolas given the graph.

Learning Target 8: I can determine the characteristics of ellipses.

Learning Target 9: I can write equations of an ellipse.

Learning Target 10: I can determine the characteristics of hyperbolas.

Learning Target 11: I can write equations of hyperbolas.

Unit 3 – (Data Relations Probability, and Statistics):

Learning Target 1: I can use the fundamental counting principle.

Learning Target 2: I can use combinations and permutations to calculate probability.

Learning Target 3: I can find the probability of mutually and non-mutually exclusive events.

Learning Target 4: I can find the probability of independent and dependent events.

Learning Target 5: I can use unions, intersections, and complements to find probabilities.

Learning Target 6: I can solve problems involving conditional probability.

Rubric:

	0 Points	10 Points	20 Points
Cover Page	Cover page is missing ALL of the following pieces of information: Title, your name, my name, A Day class period	Cover page is missing some of the following pieces of information: Title, your name, my name, A Day class period	Cover page has ALL of the following pieces of information: Title, your name, my name, A Day class period
Learning Targets	No learning targets were chosen.	1-3 learning targets were chosen and displayed at the top of each page.	4 learning targets were chosen and placed on the top of each page.
Examples	1 example is given for learning targets. OR examples are not worked out.	2 examples are given for each learning target. OR examples are worked out incorrectly.	3 examples are given for each learning target and worked out correctly.
Explanation	No explanation is given to explain the learning target.	Short or incorrect explanation is given for the learning target.	An easy to follow, correct explanation is given for the learning target.
Neatness	Brochure is sloppy and hard to read.	Brochure is partially sloppy.	Brochure is neat and easy to read and follow.