










My Algebra 2 Choice Board for Mrs. Theo's class

Directions: Complete any 3 of the activities listed on this page. You may complete them in any order, but they must be completed BY THE END OF THE DAY and **submit all work done** to solve and explain the work for the problems on paper into the **Teams** assignment. Please check Teams for the assignment and any Quizizz links you might need in case you are not seeing them in your personal Quizizz account activity. For the next weather day, you can choose another 3.

<p><u>Graphing Lines</u></p> <p>Watch this video: https://bit.ly/2UvdXHa</p>  <p>Explain how to graph: $y = 2x - 7$ and $y = -3/4 x + 5$</p>	<p><u>SAT/ACT Prep</u></p> <p>Complete the Quizizz associated with this topic that can be found in your Quizizz account. After working out a question and answering, the next page will explain how to do the work in case you did not know or got it wrong! Plan to learn something new or see what you have learned in new ways!</p>	<p><u>Factoring</u></p> <p>Watch this video: https://bit.ly/3UvJKqL</p>  <p>Explain how to factor each below: $25x^2 - 49$ $2x^2 - 10x + 12$ $5x^2 + 2x - 3$ $6x^3 - 4x^2 + 3x - 2$</p>
<p><u>Graphing Linear 2 Variable Inequalities on a Graph</u></p> <p>Watch this video: https://bit.ly/3g0XYRf</p>  <p>Explain how to graph: $y < -3x - 4$ and $y \geq 5/2x + 8$</p>	<p><u>Solving Absolute Value Equations</u></p> <p>Watch this video: https://bit.ly/3Uz5Cl0</p>  <p>Explain how to solve: $4 x - 3 + 5 = 29$</p>	<p><u>Solving Systems of Equations</u></p> <p>Watch this video: https://bit.ly/3E36UO6</p>  <p>Explain how to solve: $x + y = 80$ $3x + 5y = 280$</p>
<p><u>Solving One Variable Inequalities on a Number Line</u></p> <p>Watch these videos: https://bit.ly/3WW9JsT</p>  <p>https://bit.ly/3WZSjeK</p>  <p>Explain how to solve: $-3x + 2 < 7$ and $-15 < 6x + 2 < 50$</p>	<p><u>Graphing Parabolas</u></p> <p>Watch these videos: https://bit.ly/3WWmBiE</p>  <p>https://bit.ly/3EsQ1xG</p>  <p>Explain how to graph the parabola using the vertex, y-intercept and the axis of symmetry for: $Y = 2(x - 4)^2 + 3$ $Y = -3x^2 - 12x + 5$ $Y = 2/3 (x - 9)(x + 1)$</p>	<p><u>Exponents</u></p> <p>Watch these videos: https://bit.ly/3g51qdx</p>  <p>https://bit.ly/2Yj4N2z</p>  <p>Explain how to solve:</p> $\frac{3x^2y z^{-4}w^0}{12xy^5z^2(w^3x)^6}$