AGENDA

# Block 4 Precalculus

# Wednesday, August 8

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| Opening | Overview applications of determinants. How are finding the area of a triangle, writing the equation of a line, and testing collinearity alike? How are they different?  Warm-up: Write the equation of the line in standard form |  |
| Work Session | Guided notes and examples: finding the inverse of a 2 x 2 matrix by hand. Demonstrate how to find a matrix inverse on the graphing calculator.  Teacher will model solving matrix equations by *left-multiplying* by the matrix inverse.  Practice worksheet |  |
| Learning Target | Students will apply matrix inverses to solve matrix equations. |  |
| Closing | Does the matrix have an inverse? How do you know? |  |

#### Additional information: Students should be reminded to write matrix inverse entries in exact (fraction form). Demonstrate how to scroll right to see all entries.