Breakout Box Set-up

Story (read aloud)

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| Clue | Lock |
| Problem 2 of .tns file. Teacher will click on slider to see transformations of the absolute value graph. The order and amount of the translations will give the code to the lock. | Directional Lock$$\uparrow \uparrow \rightarrow \leftarrow \leftarrow \downright $$ |
| Problem 4 of .tns file. Teacher will need to find the quadratic regression to get the values of $a$, $b$, and $c$. By calculating $a+b+c$, they will get the code to the lock. | 3-digit Lock$$2 6 4$$ |
| Problem 5 on .tns file.Teacher will need to find the intersection points. By determining the coordinates, they will get the code to the lock. | 4-digit Lock$$1 5 4 3$$ |
| Problem 1 on .tns file.* 1. Find the angle that measures 105$°$.
	2. Find the figure with a perimeter of 15.7 cm.
	3. Find the figure with an area of 17.3 cm2.
	4. Find the segment with a slope of 3.03.

By determining the letter from each page, they will get the code to the lock. | Letter Lock$$S I N E$$ |
| Problem 3 of .tns file.Teacher will need to multiply the coded\_word matrix by the inverse of the encryption\_key matrix. By converting the elements of the matrix into letters using the cipher key, they will get the code to the lock. | Word Lock$$M O R S E$$ |