

Name: _____

Date: _____

REFLECTIONS ON A COORDINATE PLANE

Directions: Identify the ordered pair after a point has been reflected over the x-axis or y-axis. Find the problem number on the mystery lib page and write the word(s) assigned to the solution in the blank space.

1. $(-2, 6)$ when reflected over the x-axis.	$(2, 6)$: Kentucky	$(-2, -6)$: Ohio	$(2, -6)$: Illinois	$(-2, 6)$: Indiana
2. $(3, -1)$ when reflected over the y-axis.	$(3, 1)$: two	$(3, -1)$: five	$(-3, 1)$: three	$(-3, -1)$: four
3. $(0, -5)$ when reflected over the x-axis.	$(5, 0)$: feeling	$(-5, 0)$: sight	$(0, 5)$: hearing	$(0, -5)$: appetite
4. $(-8, -3)$ when reflected over the y-axis.	$(-8, 3)$: entertainment	$(8, 3)$: fun time	$(-8, -3)$: hobby	$(8, -3)$: career
5. $(3, 7)$ when reflected over the x-axis.	$(3, -7)$: New Jersey	$(3, 7)$: Virginia	$(-3, -7)$: North Carolina	$(-3, 7)$: Rhode Island
6. $(-1, 6)$ when reflected over the y-axis.	$(-1, 6)$: brother	$(1, 6)$: father	$(1, -6)$: uncle	$(-1, -6)$: friend
7. $(-4, -4)$ when reflected over the x-axis.	$(4, -4)$: 1877	$(-4, 4)$: 1878	$(-4, -4)$: 1879	$(4, 4)$: 1880
8. $(9, -8)$ when reflected over the y-axis.	$(-9, 8)$: Carnegie	$(9, -8)$: Ford	$(9, 8)$: Rockefeller	$(-9, -8)$: Vanderbilt
9. $(5, 2)$ when reflected over the x-axis followed by a reflection over the y-axis.	$(5, -2)$: 1910	$(-5, 2)$: 1911	$(-5, -2)$: 1912	$(5, 2)$: 1913
10. $(-7, -10)$ when reflected over the y-axis followed by a reflection over the x-axis.	$(7, 10)$: 1,093	$(-7, -10)$: 752	$(-7, 10)$: 2,156	$(7, -10)$: 1,689

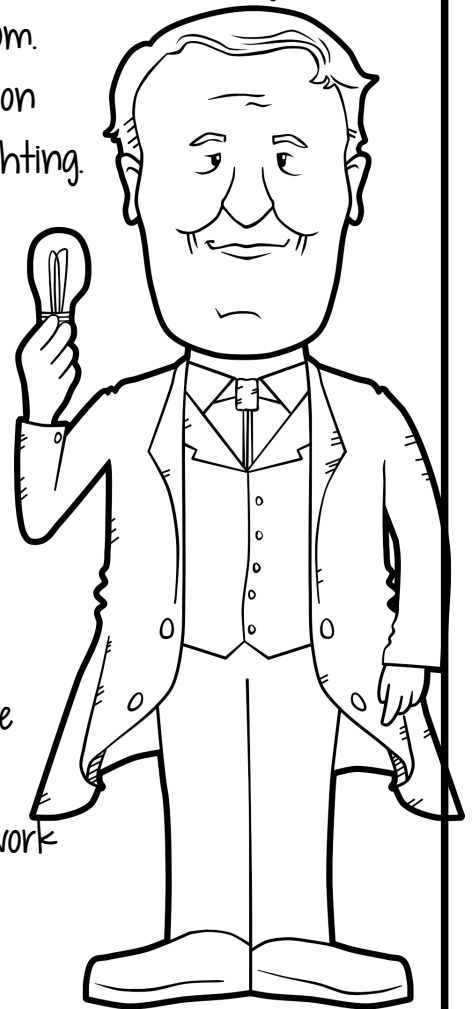
Name: _____

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REFLECTIONS ON A COORDINATE PLANE

Directions: Copy the words assigned to each answer from the previous page.

Thomas Edison was born February 11, 1847 in Milan, _____¹. He was the baby of seven children, of which only _____² made it past childhood. During the Civil War, Edison worked as a telegrapher which meant he had to learn the technology that went along with it. Due to significant _____³ loss, he struggled with the auditory signals of the telegraph. This motivated Edison to begin working on an invention that would work better for him. In 1869, he decided to make working on inventions his full time _____⁴. Over the next few years, he developed several telegraph related products while in _____⁵. By 1875 he was facing financial hardship that his _____⁶ helped bail him from. Edison built a lab and machine shop and continued to work on his inventions. In _____⁷, he began work with electric lighting. He set up the Edison Electric Light Company with financial support from J.P. Morgan and the _____⁸ family. Edison made several breakthroughs on an affordable light bulb from 1879-1880. In 1891, he patented a working motion picture, the kinetograph and a viewing instrument, the kinetoscope. In _____⁹, he designed a battery for the self-starter in the Model T developed by Henry Ford, and developed an alkaline storage battery. In 1918, Edison moved away from moving film and on to other things. By the time Thomas Edison died in 1931, he had a record of _____¹⁰ patents. Today he can be credited with building the framework for modern technology.



Answer Key

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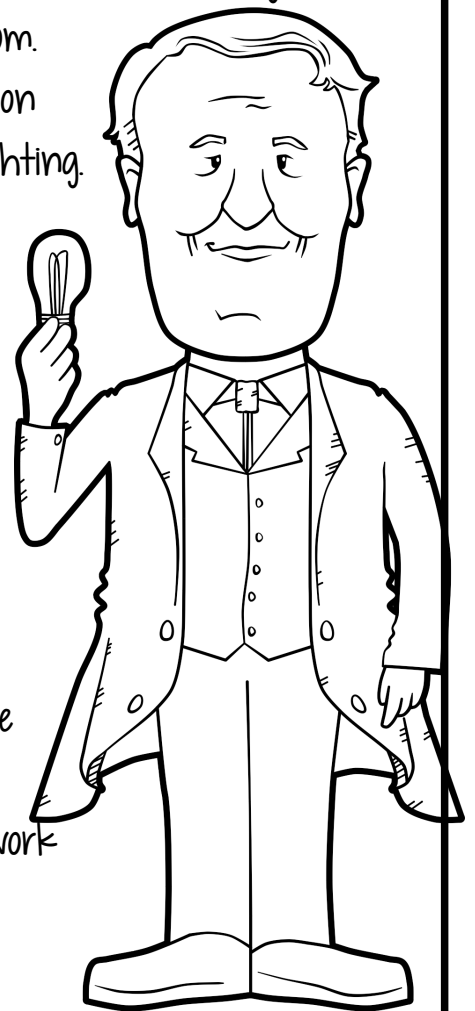
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