

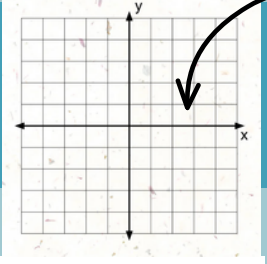
CULTURAL MAPPING (LAUNCH)

GROUP #1

- In groups of four, you will complete the preceding pages.
- Read all directions and make sure you alternate work with your partner.



GROUP #1 (QUADRANT I)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: (8, 2), (13,9), (4,12), (7,3), (14,15)

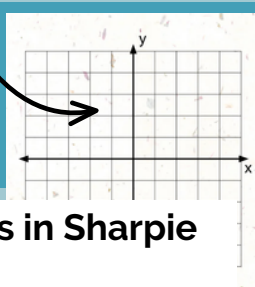
Observations:

- What do you notice about the coordinates (x,y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates (8, 2) and (4, 12). How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

GROUP #1 (QUADRANT II)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: $(-3, 4)$, $(-8, 15)$, $(-2, 12)$, $(-10, 5)$, $(-6, 7)$

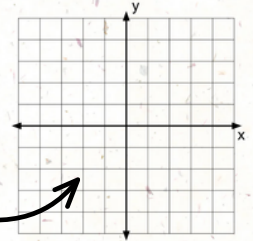
Observations:

- What do you notice about the coordinates (x, y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates $(-8, 15)$ and $(-6, 7)$. How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

GROUP #1 (QUADRANT III)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: $(-7, -10)$, $(-3, -11)$, $(-15, -8)$, $(-10, -5)$, $(-6, -7)$

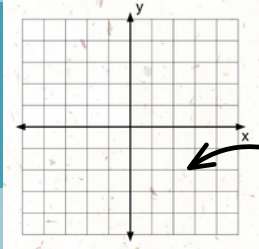
Observations:

- What do you notice about the coordinates (x, y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates $(-3, 11)$ and $(-6, -7)$. How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

GROUP #1 (QUADRANT IV)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: $(9, -4)$, $(6, -13)$, $(15, -12)$, $(11, -5)$, $(10, -7)$

Observations:

- What do you notice about the coordinates (x, y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates $(6, -13)$ and $(10, -7)$. How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

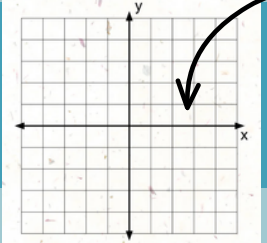
CULTURAL MAPPING (LAUNCH)

GROUP #2

- In groups of four, you will complete the preceding pages.
- Read all directions and make sure you alternate work with your partner.



GROUP #2 (QUADRANT I)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: (5, 6), (9,3), (12,10), (7,14), (15,18)

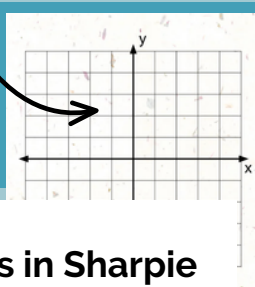
Observations:

- What do you notice about the coordinates (x,y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates (5,6) and (9,3). How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

GROUP #2 (QUADRANT II)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: $(-4, 6)$, $(-9, 13)$, $(-2, 10)$, $(-11, 8)$, $(-7, 5)$

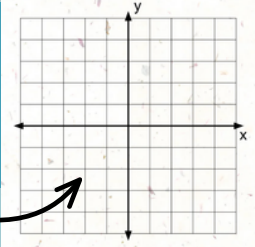
Observations:

- What do you notice about the coordinates (x, y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates $(-4, 6)$ and $(-7, 5)$. How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

GROUP #2 (QUADRANT II)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: $(-5, -8)$, $(-9, -12)$, $(-4, -10)$, $(-11, -6)$, $(-7, -9)$

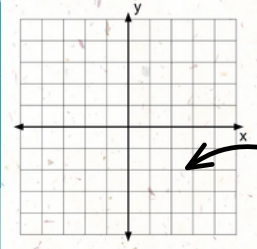
Observations:

- What do you notice about the coordinates (x,y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates $(-9,-12)$ and $(-7, -9)$. How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

GROUP #2 (QUADRANT IV)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: $(8, -5)$, $(12, -11)$, $(6, -8)$, $(14, -6)$, $(10, -9)$

Observations:

- What do you notice about the coordinates (x,y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates $(12, -11)$ and $(10, -9)$. How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

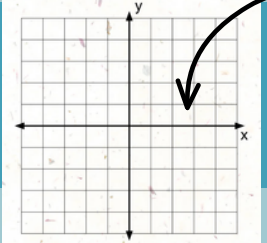
CULTURAL MAPPING (LAUNCH)

GROUP #3

- In groups of four, you will complete the preceding pages.
- Read all directions and make sure you alternate work with your partner.



GROUP #3 (QUADRANT I)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: $(6, 4)$, $(10, 7)$, $(3, 11)$, $(12, 5)$, $(8, 13)$

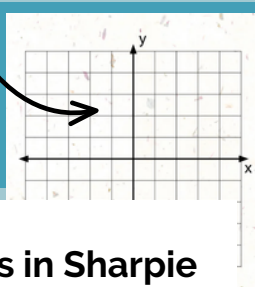
Observations:

- What do you notice about the coordinates (x, y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates $(6, 4)$ and $(10, 7)$. How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

GROUP #3 (QUADRANT II)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: $(-5, 9)$, $(-10, 6)$, $(-3, 12)$, $(-8, 14)$, $(-7, 6)$

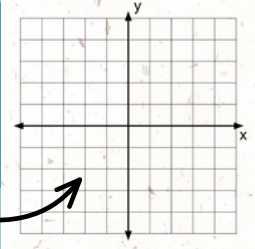
Observations:

- What do you notice about the coordinates (x, y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates $(-5, 9)$ and $(-8, 14)$. How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

GROUP #3 (QUADRANT III)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: $(-6, -9)$, $(-10, -13)$, $(-3, -7)$, $(-8, -5)$, $(-12, -10)$

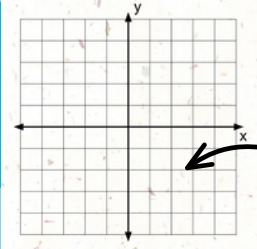
Observations:

- What do you notice about the coordinates (x,y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates $(-10, -13)$ and $(-8, -5)$. How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

GROUP #3 (QUADRANT IV)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: $(7, -6)$, $(13, -10)$, $(9, -12)$, $(11, -5)$, $(14, -8)$

Observations:

- What do you notice about the coordinates (x,y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates $(13, -10)$ and $(11, -5)$. How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

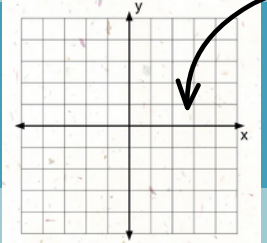
CULTURAL MAPPING (LAUNCH)

GROUP #4

- In groups of four, you will complete the preceding pages.
- Read all directions and make sure you alternate work with your partner.



GROUP #4 (QUADRANT I)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: $(7, 5)$, $(11, 9)$, $(4, 8)$, $(13, 6)$, $(9, 12)$

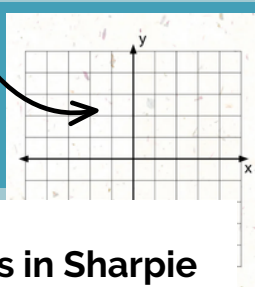
Observations:

- What do you notice about the coordinates (x, y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates $(7, 5)$ and $(11, 9)$. How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

GROUP #4 (QUADRANT II)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: $(-2, 5)$, $(-7, 11)$, $(-2, 15)$, $(-10, 8)$, $(-9, 7)$

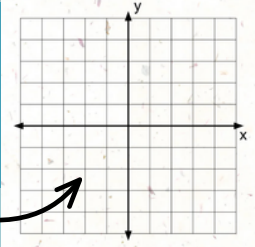
Observations:

- What do you notice about the coordinates (x, y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates $(-2, 5)$ and $(-7, 11)$. How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

GROUP #4 (QUADRANT II)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: $(-4, -8)$, $(-9, -11)$, $(-6, -6)$, $(-10, -7)$, $(-7, -12)$

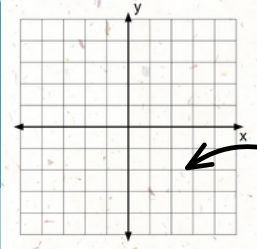
Observations:

- What do you notice about the coordinates (x,y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates $(-9, -11)$ and $(-7, -12)$. How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?

GROUP #4 (QUADRANT IV)



Plot the following coordinates with painter's tape, and write the coordinates in Sharpie on the tape: $(8, -9)$, $(12, -7)$, $(6, -11)$, $(10, -5)$, $(14, -12)$

Observations:

- What do you notice about the coordinates (x,y) in this quadrant?
- Which coordinate is farthest from the origin?
- Which coordinate is closest to the x-axis?

Reasoning:

- Compare the coordinates $(12, -7)$ and $(10, -5)$. How are their positions different? Consider your answers from the observations section above.
- What happens to a coordinate's location when the x-value increases while the y-value remains the same?
- Conversely, what happens when the y-value increases while the x-value remains the same?