

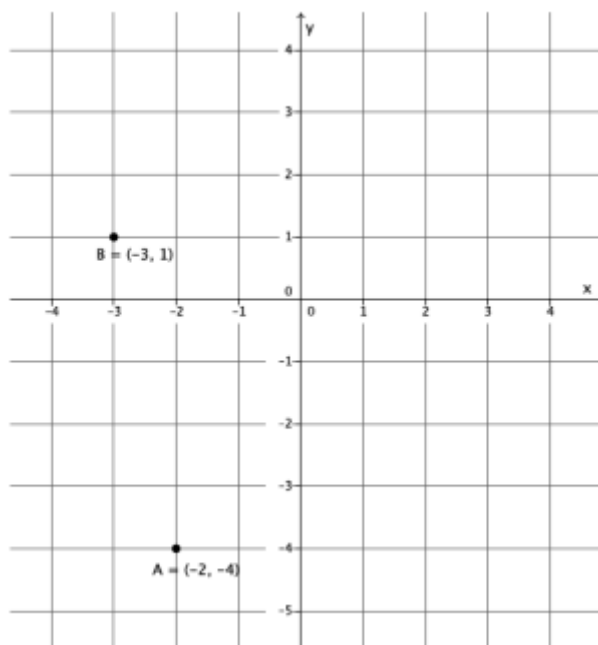
Name _____

Date _____

Lesson 6: Rotations of 180 Degrees

Exit Ticket

Let there be a rotation of 180 degrees about the origin. Point A has coordinates $(-2, -4)$, and point B has coordinates $(-3, 1)$, as shown below.



1. What are the coordinates of $\text{Rotation}(A)$? Mark that point on the graph so that $\text{Rotation}(A) = A'$. What are the coordinates of $\text{Rotation}(B)$? Mark that point on the graph so that $\text{Rotation}(B) = B'$.
2. What can you say about the points A, A' and O ? What can you say about the points B, B' and O ?
3. Connect point A to point B to make the line L_{AB} . Connect the point A' to point B' to make the line $L_{A'B'}$. What is the relationship between L_{AB} and $L_{A'B'}$?