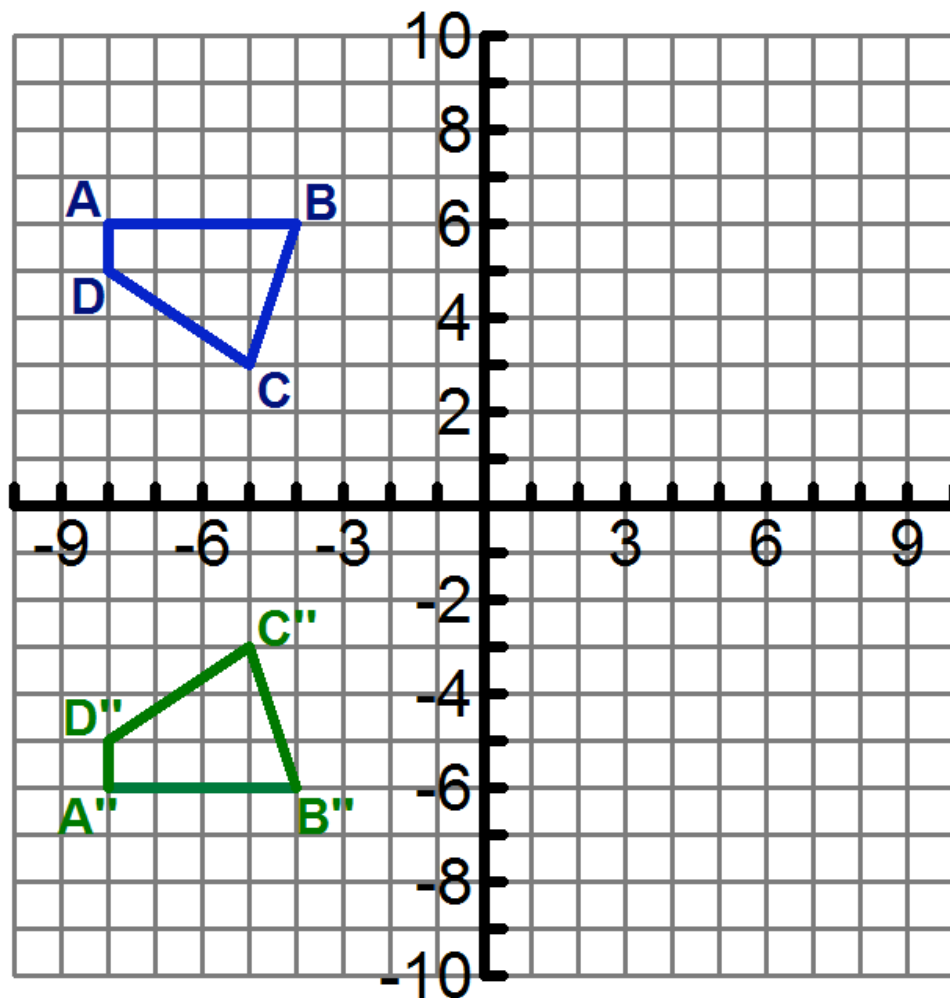


TASK 2.8.3: REFLECTIONS ABOUT THE x -AXIS

Solutions

III: Reflect the figure ABCD about the x -axis to form A''B''C''D''.

1. What is the slope of the line segment A''B''? How does the slope of AB relate to the slope of A''B''? 0 ; they have the same slope
2. What is the slope of the line segment B''C''? How does the slope of BC relate to the slope of B''C''? -3 ; it is the opposite or the additive inverse
3. What is the slope of the line segment C''D''? How does the slope of CD relate to the slope of C''D''? $2/3$; it is the opposite or the additive inverse
4. What is the slope of the line segment A''D''? How does the slope of AD relate to the slope of A''D''? $undefined$; both are undefined since they are vertical segments



TASK 2.8.3: REFLECTIONS ABOUT THE x -AXIS

III: Reflect the figure ABCD about the x -axis to form $A''B''C''D''$.

1. What is the slope of the line segment $A''B''$? How does the slope of AB relate to the slope of $A''B''$?
2. What is the slope of the line segment $B''C''$? How does the slope of BC relate to the slope of $B''C''$?
3. What is the slope of the line segment $C''D''$? How does the slope of CD relate to the slope of $C''D''$?
4. What is the slope of the line segment $A''D''$? How does the slope of AD relate to the slope of $A''D''$?

