• Illustrative Mathematics

6.NS Reflecting points over coordinate axes

Task

Below are some points in the coordinate plane:



a. Find the coordinates of the points.

b. Reflect the points over the *x*-axis and find the coordinates of the new points: label the reflection of point A as A', the reflection of B as B', the reflection of C as C', and the reflection of D as D'.

c. Reflect the points from (b) over the *y*-axis: label the reflection of point A' as A'', the reflection of B' as B'', the reflection of C' as C'', and the reflection of D' as D''.



d. How do the points A'', B'', C'', D'' from (c) relate to the points A, B, C, and D?



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