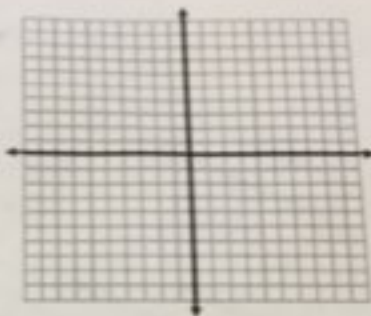


Determine the transformation for each.

- $(4, 2) \rightarrow (-4, 2)$ $(-x, y)$ Reflect over Y
- $(4, 2) \rightarrow (-2, -4)$ $(-y, -x)$ Reflect $y = -x$
- $(4, 2) \rightarrow (4, -2)$ $(x, -y)$ Reflect over X
- $(4, 2) \rightarrow (2, 4)$ (y, x) Reflect $y = x$
- $(4, 2) \rightarrow (2, -4)$ $(y, -x)$ Rotate 270°
- $(4, 2) \rightarrow (-2, 4)$ $(-y, x)$ Rotate 90°
- $(4, 2) \rightarrow (-4, -2)$ $(-x, -y)$ Rotate 180°



Determine each transformation and then give the transformation that would map A to A''.

- $A(2, 3) \rightarrow A'(3, 2) \rightarrow A''(-3, -2)$
 $\hookrightarrow (y, x) \hookrightarrow (-x, -y) \hookrightarrow (-y, -x)$
 Reflect over $y = x$, Rotate 180° , Reflect $y = -x$

- $A(5, -3) \rightarrow A'(3, 5) \rightarrow A''(3, -5)$
 $\hookrightarrow (y, x) \hookrightarrow (x, -y) \hookrightarrow (-y, -x)$
 Rotate 90° , Reflect over X , Reflect $y = -x$

- $A(-2, -1) \rightarrow A'(-2, 1) \rightarrow A''(2, 1)$
 $\hookrightarrow (x, -y) \hookrightarrow (-x, y) \hookrightarrow (-x, -y)$
 Reflect over X , Reflect over Y , Rotate 180°

- $A(4, 3) \rightarrow A'(-3, -4) \rightarrow A''(3, -4)$
 $\hookrightarrow (y, -x) \hookrightarrow (-x, y) \hookrightarrow (y, -x)$
 Reflect $y = -x$, Reflect over Y , Rotate 270°

- $A(-3, 4) \rightarrow A'(3, 4) \rightarrow A''(3, -4)$
 $\hookrightarrow (-x, y) \hookrightarrow (x, -y) \hookrightarrow (-x, -y)$
 Reflect over Y , Reflect over X , Rotate 180°

- $A(2, 3) \rightarrow A'(3, 2) \rightarrow A''(-2, 3)$
 $\hookrightarrow (y, x) \hookrightarrow (-y, x) \hookrightarrow (-x, y)$
 Reflect $y = x$, Rotate 90° , Reflect over Y

- $A(2, 3) \rightarrow A'(3, 2) \rightarrow A''(-3, 2)$
 $\hookrightarrow (y, x) \hookrightarrow (-x, y) \hookrightarrow (-y, x)$
 Reflect $y = x$, Reflect Y , Rotate 90°

- $A(2, 3) \rightarrow A'(-2, -3) \rightarrow A''(-3, -2)$
 $\hookrightarrow (-x, -y) \hookrightarrow (y, x) \hookrightarrow (-y, -x)$
 Rotate 180° , Reflect $y = x$, Reflect $y = -x$

- $A(2, 3) \rightarrow A'(3, -2) \rightarrow A''(-3, -2)$
 $\hookrightarrow (y, -x) \hookrightarrow (-x, y) \hookrightarrow (-y, -x)$
 Rotate 270° , Reflect Y , Reflect $y = -x$

