

Name: _____

Translations HW – Cool.

TRICK OR TRANSFORM 🍬 🍬 🍬

Plot the point that says "plot." Then translate the point. Connect the points with a straight line. FROM THE NEW POINT, TRANSLATE IT. Then connect it to the previous point. Each "plot" creates a new part of the final image. The first one below is done as an example. Make sure to graph those points to complete your image!

Plot (-6,0)

$T_{\langle 2,3 \rangle}$ (-4, 3)
 $T_{\langle 1,-3 \rangle}$ (-3, 0)
 $T_{\langle -3,0 \rangle}$ (-6, 0)

Plot (0,0)

$T_{\langle -1,-2 \rangle}$
 $T_{\langle 2,-1 \rangle}$
 $T_{\langle -1,3 \rangle}$

Plot (4,3)

$T_{\langle -1,-3 \rangle}$
 $T_{\langle 3,0 \rangle}$
 $T_{\langle -2,3 \rangle}$

Plot (0,-5)

$T_{\langle -1,0 \rangle}$
 $T_{\langle 0,1 \rangle}$
 $T_{\langle -3,0 \rangle}$
 $T_{\langle -3,1 \rangle}$
 $T_{\langle 1,-2 \rangle}$
 $T_{\langle 2,-1 \rangle}$
 $T_{\langle 0,1 \rangle}$
 $T_{\langle 2,0 \rangle}$

$T_{\langle 0,-1 \rangle}$
 $T_{\langle 2,0 \rangle}$
r y-axis

Plot (-1,4)

$T_{\langle -2,1 \rangle}$
 $T_{\langle -3,0 \rangle}$
 $T_{\langle -3,-1 \rangle}$
 $T_{\langle -2,-2 \rangle}$
 $T_{\langle 0,-6 \rangle}$
 $T_{\langle 3,-3 \rangle}$
 $T_{\langle 4,-1 \rangle}$
 $T_{\langle 8,0 \rangle}$

Plot (4,-8)

$T_{\langle 4,1 \rangle}$
 $T_{\langle 3,3 \rangle}$
 $T_{\langle 0,6 \rangle}$
 $T_{\langle -2,2 \rangle}$
 $T_{\langle -3,1 \rangle}$
 $T_{\langle -3,0 \rangle}$
 $T_{\langle -2,-1 \rangle}$
 $T_{\langle -2,0 \rangle}$
 $T_{\langle 0,3 \rangle}$
 $T_{\langle 3,0 \rangle}$
 $T_{\langle -1,-3 \rangle}$

