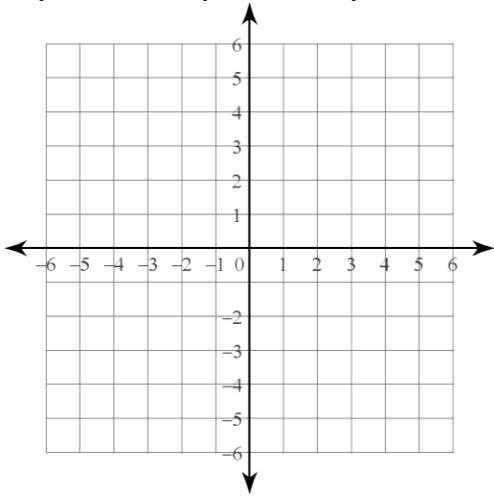
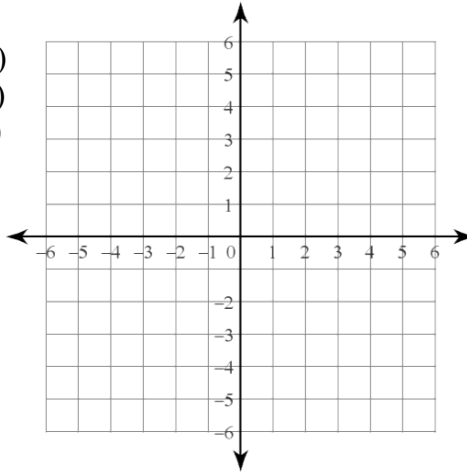


1) Translate $\triangle QRS$ if $Q(4,1)$, $R(1,-2)$, $S(2,3)$ by the rule $(x,y) \rightarrow (x-3, y-4)$



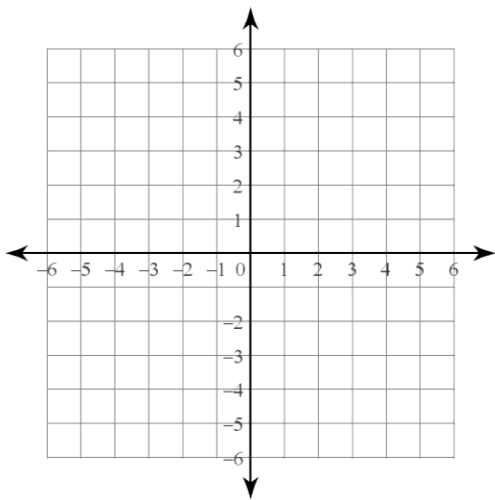
Q' (____,____)
 R' (____,____)
 S' (____,____)

2) Reflect $\triangle Q'R'S'$ if $Q'(1,-3)$, $R'(-2,-6)$, and $S'(-1,-1)$ over the x-axis.



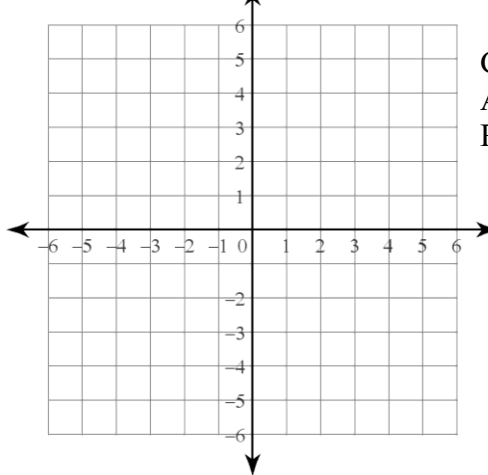
Q'' (____,____)
 R'' (____,____)
 S'' (____,____)

3) Rotate $\triangle CAR$ if $C(-1,-4)$, $A(2,3)$, $R(-3,-2)$ 180° about the origin.



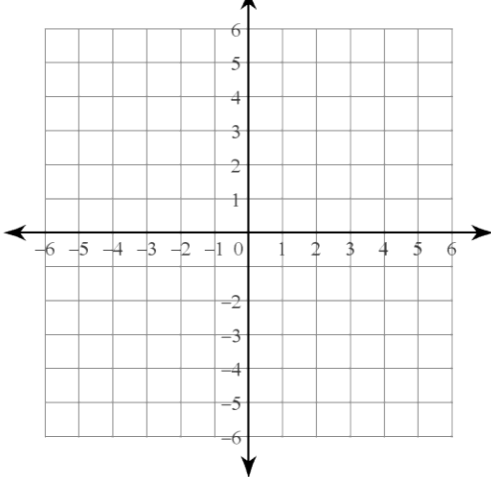
C' (____,____)
 A' (____,____)
 R' (____,____)

4) Reflect $\triangle C'A'R'$ if $C'(1,4)$, $A'(-2,-3)$, and $R'(3,2)$ over the line $y = x$



C'' (____,____)
 A'' (____,____)
 R'' (____,____)

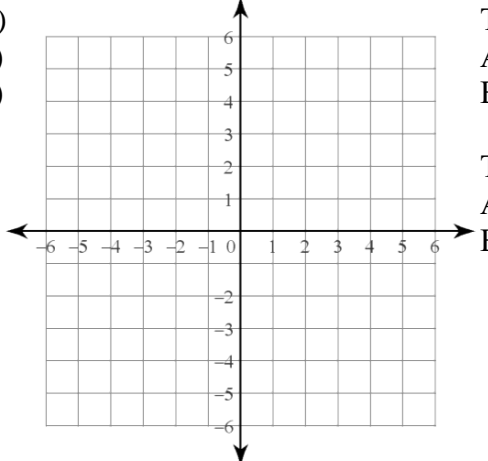
5) Translate $\triangle ALT$ if $A(-5,-1)$, $L(-3,-2)$, $T(-3,2)$ by the rule $(x,y) \rightarrow (x+6, y-3)$, then reflect the image over the y-axis



A' (____,____)
 L' (____,____)
 T' (____,____)

A'' (____,____)
 L'' (____,____)
 T'' (____,____)

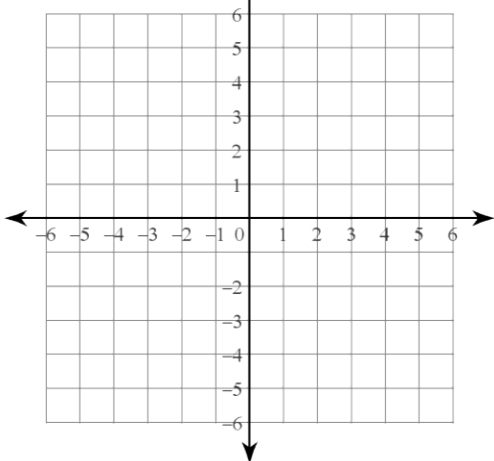
6) Reflect $\triangle TAB$ if $T(2,3)$, $A(1,1)$, and $B(4,-3)$ over the x-axis, then reflect the image over the y-axis



T' (____,____)
 A' (____,____)
 B' (____,____)

T'' (____,____)
 A'' (____,____)
 B'' (____,____)

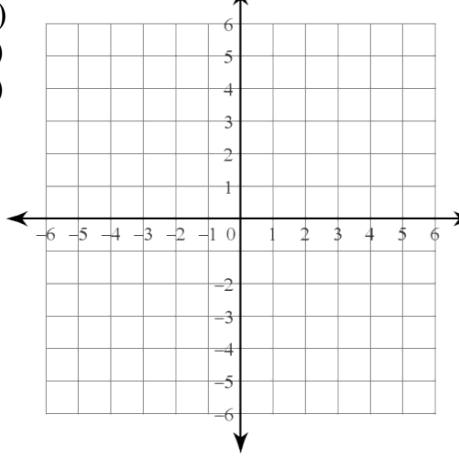
7) Rotate $\triangle ALT$ if $A(-5,-1)$, $L(-3,-2)$, $T(-3,2)$
 180° counter clockwise about the point $(-1,-1)$, then reflect
the image over the line $x=1$



A' (____,____)
 L' (____,____)
 T' (____,____)

A'' (____,____)
 L'' (____,____)
 T'' (____,____)

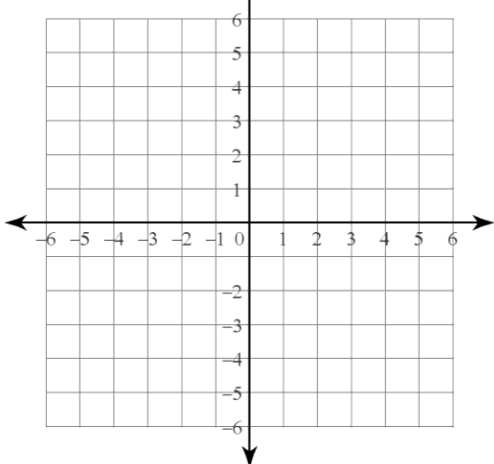
8) Reflect $\triangle TAB$ if $T(2,3)$, $A(1,1)$,
and $B(4,-3)$ over the line $y=2$, then translate
the image by the rule $(x,y) \rightarrow (x-5, y-4)$



T' (____,____)
 A' (____,____)
 B' (____,____)

T'' (____,____)
 A'' (____,____)
 B'' (____,____)

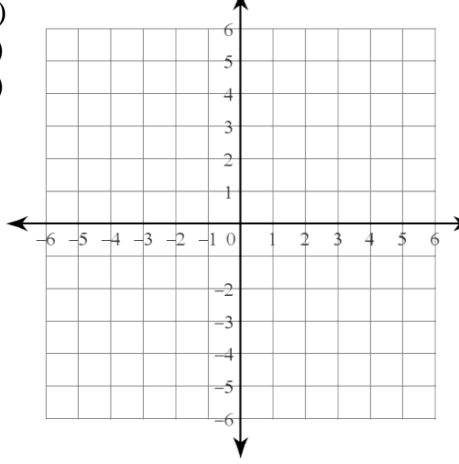
9) Translate $\triangle ALT$ if $A(-5,-1)$, $L(-3,-2)$, $T(-3,2)$
by the rule $(x,y) \rightarrow (x+3, y+2)$, then reflect
the image over the y -axis



A' (____,____)
 L' (____,____)
 T' (____,____)

A'' (____,____)
 L'' (____,____)
 T'' (____,____)

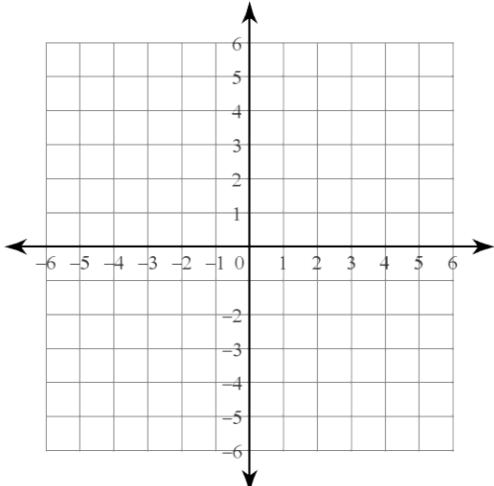
10) Reflect $\triangle ALT$ if $A(-5,-1)$, $L(-3,-2)$, $T(-3,2)$
over the y -axis, then translate the image by
the rule $(x,y) \rightarrow (x+3, y+2)$,



A' (____,____)
 L' (____,____)
 T' (____,____)

A'' (____,____)
 L'' (____,____)
 T'' (____,____)

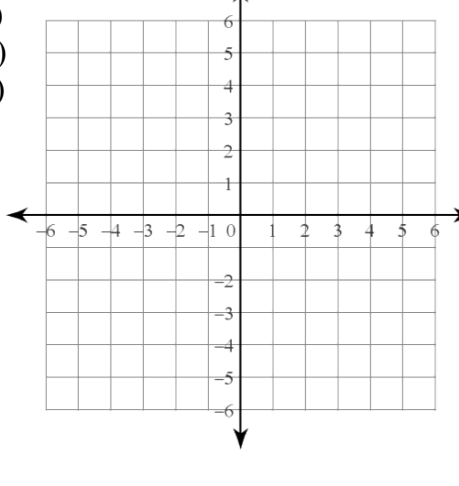
11) Rotate $\triangle TAB$ if $T(2,3)$, $A(1,1)$, $B(4,-3)$
 90° counter clockwise about the origin, then reflect the
image over the line x -axis.



T' (____,____)
 A' (____,____)
 B' (____,____)

T'' (____,____)
 A'' (____,____)
 B'' (____,____)

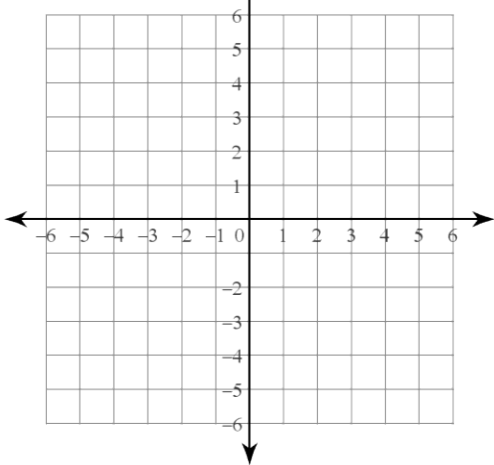
12) Reflect $\triangle TAB$ if $T(2,3)$, $A(1,1)$,
and $B(4,-3)$ over the x -axis, then rotate
the image 90° counter clockwise about the origin,



T' (____,____)
 A' (____,____)
 B' (____,____)

T'' (____,____)
 A'' (____,____)
 B'' (____,____)

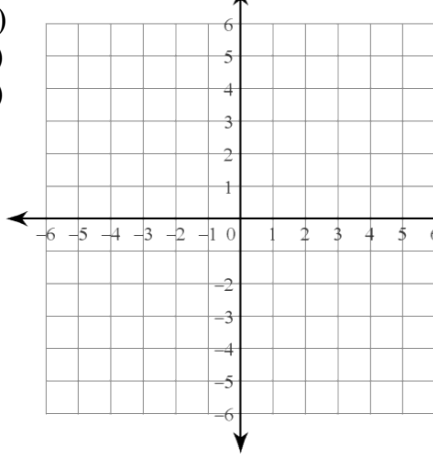
13) Rotate $\triangle ALT$ if $A(-5,-1)$, $L(-3,-2)$, $T(-3,2)$
 90° clockwise about the origin, then reflect the
 image over the line $y = x$



A' (____,____)
 L' (____,____)
 T' (____,____)

A'' (____,____)
 L'' (____,____)
 T'' (____,____)

14) Reflect $\triangle TAB$ if $T(2,3)$, $A(1,1)$,
 and $B(4,-3)$ over the y-axis, then translate
 the image by the rule $(x,y) \rightarrow (x + 2, y - 1)$



T' (____,____)
 A' (____,____)
 B' (____,____)

T'' (____,____)
 A'' (____,____)
 B'' (____,____)